

# EXHIBIT 4

## **Part 2**

**CURRICULUM VITAE****Robert B. Cook, Jr.**

1631 Lauren Lane  
Auburn, AL 36830  
334-750-6113 (cell)  
334-821-3981 (home)  
cookrob@auburn.edu

**EDUCATION:**

E.M., Mining Engineering, Colorado School of Mines, 1966  
M.S., Geology, University of Georgia, 1968  
Ph.D., Geology, University of Georgia, 1971

Professional Registration: Georgia #009; Registered Professional Geologist  
Florida #0033; Registered Professional Geologist  
Alabama #007; Registered Professional Geologist

**EXPERIENCE:****Major Positions:****Current**

Professor Emeritus, Auburn University, Department of Geosciences  
President- Alabama Resource Management, Inc.  
Treasurer- Deep South PGM, LLC  
Managing Partner- Southeast Metals

**1972-2007**

Assistant Professor - Associate Professor - Professor; Department of Geology, Auburn University; tenured September 1, 1977; Graduate Faculty 1981- 2007;  
Department Head May 15, 1984- September 15, 2005

**1970-1972; 1973-1975**

Staff exploration geologist, Lindgren Exploration Company, Wayzata, Minnesota

**SIGNIFICANT HONORS AND AWARDS:**

Uranium mineral bobcookite named in his honor, 2014  
Robert B. Cook Endowed Chair in Geology established at Auburn University, 2009  
Charles A. Salotti National Earth Science Education Award, 2006  
Best Paper for year 2002- Rocks and Minerals, Friends of Mineralogy  
American Federation of Mineralogical Societies, 1999 Scholarship Award  
Sigma Xi, The National Research Society, 1990; President- Auburn Chapter, 1997-1998  
Invited Research Scholar - Chinese Education Commission, 1990  
Invited Participant - United Nations Senior Technical Advisor Program - PRC, 1991  
Chairman and Vice President, Alabama Academy of Science, Geology Section, 1975-1977  
Phi Kappa Phi, 1968

**MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:**

American Institute of Mining and Metallurgical Engineers (inactive)  
Geological Society of America (inactive)  
Alabama Geological Society  
Georgia Geological Society (inactive)  
Society of Exploration Geochemists  
Society of Economic Geologists (Fellow; inactive)  
Friends of Mineralogy (inactive member, former member Board of Directors)

**PUBLICATIONS:**

**Reviewed Publications:**

- Cook, R. B., and J. C. Gray, 2016, Minerals of Georgia (2nd edition), University of Georgia Press, 326 p.
- Mauthner, M. H. F., and R. B. Cook, 2013, The nature of gold, Miineralaientage Munchen, 16 – 81.
- Saunders, J., M. Steltenpohl, and R. B. Cook, 2013. Gold exploration and potential of the Appalachian Piedmont of Eastern Alabama. S.E.G. Newsletter, 13 – 19.
- Cook, R. B., 2013, Buergerite (fluor-buergerite), Mexquitic, San Luis Potosi, Mexico, Rocks and Minerals, v. 88, 442 – 446.
- Cook, R. B. 2013, Liddicoatite, fluor-liddicoatite, and liddicoatitic tourmalines, Anjanabonoina, Madagascar. Rocks and Minerals v. 88, 346 – 352.
- Clifford, J. H., R. B. Cook, and G. A. Staebler (eds), 2013, Nevada. Lithographie, LLC, Denver, 122p.
- Cook, R. B., 2013, Nevada- America's other golden state *in* Clifford, J. H., R. B. Cook, and G. A. Staebler (eds). Lithographic, LLC. Denver, 92 – 101.
- Cook, R. B., 2012, Olmiite, N'Chwaning II mine, Kalahari Manganese Field, Republic of South Africa. Rocks and Minerals v. 87, no. 2, 150 – 155.
- Cook, R. B., 2011, Platinum, Konder Massif, Khabarovsk Territory, Far Eastern Region, Russia. Rocks and Minerals v. 86, no. 5, 424 – 431.
- Cook, R. B. 2011, Gold in the San Juans *in* Kile, D. and G. A. Staebler, eds. The San Juan Triangle of Colorado. Lithographie, LLC. Denver. 22 – 29.
- Cook, R. B., and J. D. Webb, 2009, Base- and precious-metal occurrences in the Alabama Inner Piedmont *in* G. Guthrie (ed.), Emplacement of gold deposits in the Eastern Blue Ridge and Brevard Zone, Alabama Piedmont - Alabama Geological Society 46<sup>th</sup> Annual Fieldtrip Guidebook, 61 - 78.
- Cook, R. B., and J. M. McCullars, 2009, New data on gold and related metal occurrences in the Brevard Zone of Alabama *in* G. Guthrie (ed.), Emplacement of gold deposits in the Eastern Blue

- Ridge and Brevard Zone, Alabama Piedmont – Alabama Geological Society 46<sup>th</sup> Annual Fieldtrip Guidebook, 37 – 60.
- Hyrsl, J. and R. B. Cook, 2009, The Viloco tin district, *in* Cook, R. B., S. Leibetrau, G. Neumeier, and G. Staebler (eds.), Bolivia. Lithographie LLC, Denver, 72 – 75.
- Cook, Robert B., 2009, Silver and tin minerals from the San Jose and Itos mines in Oruro, *in* Cook, R. B., S. Leibetrau, G. Neumeier, and G. Staebler (eds.), Bolivia. Lithographie, LLC., Denver, 26 – 31.
- Cook, Robert B., S. Leibetrau, G. Neumeier, and G. Staebler ( eds.), 2009, Bolivia. Lithographie, LLC., Denver. 109 p.
- Cook, Robert B., C. A. Francis, and B. Lees, 2009, The Colorado Quartz gold mine, Mariposa County, California. *Rocks and Minerals* 84, 396 – 412.
- Cook, Robert B., J. C. Gray, J. E. Santamaria, and J. B. Gordon, 2008, Graves Mountain, Lincoln County, Georgia *in* G. A. Staebler and W. E. Wilson, *American Mineral Treasures*. Lithographie, LLC, East Hampton, Connecticut, 128 – 135.
- Cook, Robert B., T. Ledford, and J. C. Gray, 2008, Jacksons Crossroads, Wilkes County, Georgia *in* G. A. Staebler and W. E. Wilson, *American Mineral Treasures*, Lithographie, LLC, East Hampton, Connecticut, 252 – 257.
- Cook, Robert. B., and Thomas M. Gressman, 2008, The Mockingbird gold mine, Mariposa County, California. *Rocks and Minerals* 83, 392 – 401.
- Fousek, Robert. S. and Robert B. Cook, 2007, Geology of the Cleveland Farms Greenfield site, Randolph County, Alabama, *in* Fousek, R. S. ed: *Locating, Permitting, and Operation of Construction Aggregate Mining Operations in Alabama*. Alabama Geological Society 44<sup>th</sup> annual field trip guidebook, p. 5 – 53.
- Cook, Robert B., Brian S. Fowler, and Robert S. Fousek, 2007, Geology of the SRM Aggregates Inc. quarry and vicinity, Lee County, Alabama, *in* Fousek, R. S. ed: *Locating, Permitting and Operation of Construction Aggregate Mining Operations in Alabama*. Alabama Geological Society 44<sup>th</sup> annual field trip guidebook, p. 54 – 68.
- Cook, Robert B., Robert S. Fousek, Kevin R. Bogdan, and Mark G. Steltenpohl, 2007, Geology of the Farmville Metagranite, Opelika Complex, Inner Piedmont at the Vulcan Materials Company Notasulga Quarry, Lee County, Alabama, *in* Fousek, R. S., ed: *Locating, Permitting, and Operation of Construction Aggregate Mining Operations in Alabama*. Alabama Geological Society 44<sup>th</sup> annual field trip guidebook, p. 93 – 101.
- Savrda, C.E., R. B. Cook, and A. Petrov, 2006, Trace fossil preservation in native copper, Corocoro, Bolivia, *Rocks and Minerals* 81, 362 – 363.
- Steltenpohl, M. G., Cook, R. B., Grimes, J. F., Keefer, W. D., Heatherington, A., and Mueller, P., 2005, Geology of the Brevard zone in the hinge of the Tallassee Synform, Alabama Fall Line: implications for southern Appalachian tectonostratigraphy, *in* Steltenpohl, M. G. ed.: *New Perspectives on Southernmost Appalachian Terrains, Alabama and Georgia*. Alabama Geological Society 42<sup>nd</sup> annual field trip guidebook, p.125 – 145.

- Sterling, J. W., Steltenpohl, M. G., and Cook, R. B., 2005, Petrology and geochemistry of igneous rocks in the southernmost Brevard zone of Alabama and their implications for southern Appalachian tectonic evolution, *in* Steltenpohl, M. G., ed: New Perspectives on Southernmost Appalachian Terrains, Alabama and Georgia. Alabama Geological Society 42<sup>nd</sup> annual field trip guidebook, p. 96 - 124.
- Sterling, J. W., Steltenpohl, M. G., and Cook, R. B., 2005, Geology of the southern exposures of the Brevard zone in the Red Hill Quadrangle near Martin Dam, Alabama, *in* Steltenpohl, M., ed, Southernmost Appalachian terrains, Alabama and Georgia: Southeastern Section of the Geological Society of America Field Trip Guidebook, p. 70 - 98.
- Leicht, W. C., and Cook, R., 2004, The Eagles Nest Mine, Placer County, California. Mineralogical Record, vol 35, p. 65 - 72.
- Kelley, J.K., Wu, K.K., Ward, B.A., and Cook, R.B., 2002, Highwall Stability in an open pit stone operation. Proceedings, 21<sup>st</sup> International Conference on Ground Control in Mining, Morgantown, W.V., p. 228-235.
- Saunders, J.A., Pritchett, M.A., and Cook, R.B., 1997, Geochemistry of biogenic pyrite and ferromanganese stream coatings: A bacterial connection?: Geomicrobiology Journal, v. 14, p. 203-217.
- Fousek, R.S., and Cook, R.B., 1997, The Coldwater Mountain Quarry: New uses for Weisner Formation Quartzite *in* Fousek, R.S., and Cook, R.B., eds.: Industrial Minerals and Rocks of Northeast Alabama: Geological Society of America, Guidebook for Southeastern Sectional Field Trip III, p. 19.
- Fousek, R.S., and Cook, R.B., eds., 1997, Industrial Minerals and Rocks of Northeast Alabama: Geological Society of America, Guidebook for Southeastern Sectional Field Trip III, 37 p.
- Saunders, J. A., Cook, R. B., Thomas, R. C., and Crowe, D. E., 1996, Coprecipitation of trace metals in pyrite: Implications for enhanced intrinsic bioremediation: Proc. Fourth International Symposium of the Geochemistry of the Earth's Surface (Ilkley, Yorkshire, England).
- Horowitz, A. J., Robbins, J. A., Elrich, K. A., and Cook, R. B., 1996, Bed sediment-trace element geochemistry of Terrace Reservoir, near Summitville, Southwestern, Colorado: U.S. Geological Survey Open-File Report 96-344, Atlanta, Georgia, 41 p.
- Saunders, J. A., Cook, R. B., and Schoenly, P.A., 1996, Electrum disequilibrium crystallization textures in volcanic-hosted bonanza epithermal gold deposits of northern Nevada: Proceedings, Geology and Ore Deposits of the American Cordillera: Geol. Soc. Nevada, p. 173-179.
- Horowitz, A. J., Elrick, K. A., Robbins, J.A., and Cook, R. B., 1995, A summary of the effects of mining and related activities on the sediment-trace element geochemistry of Lake Coeur d'Alene, Idaho, U.S.A.: Journal of Geochemical Exploration 52, 135-144.
- Horowitz, A. J., Elrick, K. A., Robbins, J. A., and Cook, R. B., 1995, Effect of mining and related activities on the sediment-trace element geochemistry of Lake Coeur d'Alene, Idaho, USA Part II: Subsurface Sediments: Hydrological Processes, v. 9, 35-54.
- Cook, R. B., and Thomson, I., 1995, Characteristics of Brevard Zone gold mineralization in the Sessions vicinity, Tallapoosa County, Alabama: *in* Guthrie, G. M. (ed.), The timing and tectonic mechanisms

- of the Alleghanian Orogeny, Alabama Piedmont, Guidebook for the 32nd Annual Field Trip of the Alabama Geological Society, p. 43-51.
- Keefer, W. D., Steltenpohl, M. G., and Cook, R. B., 1993, Geology of the Tallássee Synform hinge zone along the Alabama fall line: in Steltenpohl, M. G., and Salpas, P. A. (eds.), Geology of the southernmost exposed Appalachian Piedmont rocks along the Alabama fall line: Field Trip Guidebook III, 42nd Annual Meeting, Southeastern Section, Geological Society of America, p. 36-66.
- Grimes, J. E., Steltenpohl, M. G., Cook, R. B., and Keefer, W. D., 1993, New geological studies of the most southern part of the Brevard zone, Alabama, and their implications for southern Appalachian tectonostratigraphy: in Steltenpohl, M. G., and Salpas, P. A. (eds.), Geology of the southernmost exposed Appalachian Piedmont rocks along the Alabama fall line: Field Trip Guidebook III, 42nd Annual Meeting, Southeastern Section, Geological Society of America, p. 95-116.
- Grimes, J. E., Steltenpohl, M. G., Cook, R. B., and Keefer, W. D., 1993, Geology of the southernmost Brevard fault zone, Alabama and its implications for southern Appalachian tectonostratigraphy: in Hatcher, R. D., Jr., and Davis, T. L. eds., Studies of Inner Piedmont Geology with a focus on the Columbus Promontory: Carolina Geological Society Annual Field Trip Guidebook, p. 91-103.
- Horowitz, A. J., Elrick, K. A., and Cook, R. B., 1993, Effect of mining and related activities on the sediment trace element geochemistry of Lake Coeur d'Alene, Idaho, USA. Part I: Surface and Sediments: Hydrological Processes, vol. 7, p. 403-423.
- Horowitz, A. J., Elrick, K. A., Robbins, J. A., and Cook, R. B., 1993, The effect of mining and related activities on the sediment-trace element geochemistry of Lake Coeur d'Alene, Idaho, Part II: Subsurface sediments: U.S. Geological Survey Open File Report 93-656, 28 p.
- Higgins, M. W., Crawford, T. J., Lesure, F. G., Nelson, A. E., Grossman, J. N., Doughten, M. W., Rait, Norma, McCartan, Lucy, Crawford, R. F., III, Medlin, J. H., Gottfried, David, Cook, R. B., Jr., Sanders, R. P., and Gillon, K. A., 1992, A preliminary geochemical evaluation of potential for platinum deposits in the crystalline rocks of Georgia: U.S. Geological Survey, Open File Report 92-220, 89 p.
- Horowitz, A. J., Elrick, K. A., and Cook, R. B., 1992, Effect of mining- related activities on the sediment-trace element geochemistry of Lake Coeur d'Alene, Idaho, USA--Part 1: Surface sediments: U.S. Geological Survey, Open File Report 92-109. 30 p.
- Cook, R. B., Wu, Anbin, and Song, Chunhui, 1991, Stratabound Pb-Zn deposits of the central Xicheng District, southeastern Gansu Province, China: Mining Engineering, v. 43, no. 9, p. 1165-1169.
- Steltenpohl, M. G., Neilson, M. J., Bittner, E. I., Colberg, M. C., and Cook, R. B., 1990, The geology of the Alabama Inner Piedmont: Alabama Geological Survey Bulletin 139, 82 p.
- White, J. S. and Cook, R. B., 1990, Amethyst occurrences of the eastern United States: Mineralogical Record, v. 21, no. 3, p. 203-213.
- Cook, R. B. (editor), 1990, Economic mineral deposits of the southeast: Metallic ore deposits: Georgia Geologic Survey, Bulletin 117, 262 p.

- Cook, R. B. and Burnell, J. R., 1990, A geochemical investigation of the Mason Mountain sperrylite occurrence, Macon County, North Carolina: in Cook, R. B. (ed.), Economic mineral deposits of the southeast: Metallic ore deposits, Georgia Geologic Survey, Bulletin 117, p. 163-176.
- Steltenpohl, M. G., Guthrie, G. M., and Cook, R. B., 1990, Geology of the Brevard Zone at Jacksons Gap: in Steltenpohl, M. G., Kish, S. A., and Neilson, M. J. (eds.), Geology of the Southern Inner Piedmont, Alabama and Georgia, Field Trip Guidebook VII, 39th Annual Meeting, Southeastern Section, Geological Society of America, p. 101-109.
- Horowitz, A. J., Elrick, K. A., and Cook, R. B., 1990, Arsenopyrite in the bank deposits of the Whitewood Creek-Belle Fourche-Cheyenne River-Lake Oahe System, South Dakota, U.S.A.: The Science of the Total Environment, v. 97, p. 219-233.
- Foord, Eugene E. and Cook, Robert B., Jr., 1989, Mineralogy and paragenesis of the McAllister Sn-Ta Deposit, Coosa County, Alabama: Canadian Mineralogist, v. 27, no. 1, p. 93-105.
- Horowitz, Arthur J., Elrick, Kent A., and Cook, Robert B., 1989, Source and transport of arsenic in the Whitewood Creek-Belle Fourche- Cheyenne River-Lake Oahe system, South Dakota: U.S. Geological Survey, Water Resources Investigations Report 88-4220, p. 223-234.
- Cook, Robert B., 1989, Base and precious metal stream-sediment geochemistry related to mafic-ultramafic bodies in the Alabama and adjacent Georgia Inner Piedmont: in Mittwede, Steven K. and Stoddard, Edward F. (eds.), Ultramafic rocks of the Appalachian Piedmont, Geological Society of America, Special Paper 231, p. 93-103.
- Cook, R. B. and Nelen, J. A., 1989, Exploration significance of multistage Cretaceous and modern processes in placer gold occurrences of the Georgia-Alabama fall line: Mining Engineering, v. 41, no. 12, p. 1197-1201.
- Leshner, C. M., Cook, R. B., and Dean, L. S. (eds.), 1989, Gold deposits of Alabama: Geological Survey of Alabama, Bulletin 136, 229 p.
- Paris, T. A. and Cook, R. B., 1989, Exploration geology of selected gold prospects traditionally related to the Hillabee Greenstone, Alabama and Georgia: in Leshner, C. M., Cook, R. B., and Dean, L. S. (eds.), Gold deposits of Alabama, Geological Survey of Alabama, Bulletin 136, p. 33- 60.
- Zwaschka, M. R. and Cook, R. B., 1989, Geology and preliminary exploration geochemistry of the Idaho district, Clay County, Alabama: in Leshner, C. M., Cook, R. B., and Dean, L. S. (eds.), Gold deposits of Alabama, Geological Survey of Alabama, Bulletin 136, p. 83-100.
- Neal, W. L. and Cook, R. B., 1989, Mineralogy, petrology and geochemistry of phyllite-hosted gold deposits, Goldville district, Tallapoosa County, Alabama: in Leshner, C. M., Cook, R. B., and Dean, L. S. (eds.), Gold deposits of Alabama, Geological Survey of Alabama, Bulletin 136, p. 101-114.
- Neal, W. L. and Cook, R. B., 1989, Gold and related trace metal geochemistry at the Tallapoosa and Lowe mines, Goldville district, Tallapoosa County, Alabama: in Leshner, C. M., Cook, R. B., and Dean, L. S. (eds.), Gold deposits of Alabama, Geological Survey of Alabama, Bulletin 136, p. 115-132.



- Johnson, M. J. and Cook, R. B., 1989, Gold occurrences of the Eagle Creek and northeastern Devil's Backbone districts, Tallapoosa County, Alabama: in Leshner, C. M., Cook, R. B., and Dean, L. S. (eds.), Gold deposits of Alabama, Geological Survey of Alabama, Bulletin 136, p. 159-172.
- Cook, R. B. and Nelen, J. A., 1989, The occurrence and exploration significance of gold in Cretaceous sediments of the Alabama Coastal Plain: in Leshner, C. M., Cook, R. B., and Dean, L. S. (eds.), Gold deposits of Alabama, Geological Survey of Alabama, Bulletin 136, p. 173-184.
- Cook, R. B. and Nelen, J. A., 1988, Exploration significance of multistage Cretaceous and Modern processes in gold placers of the Georgia-Alabama Fall Line: American Institute of Mining Engineers Preprint 88-2, 7 p.
- Cook, R. B. and Bittner, Enid, 1988, Tectonic modeling as a guide to base and precious metal exploration in the southernmost Appalachian Orogen: in Kisvarsany, G. (ed.), North American conference on tectonic control of ore deposits and the vertical extent of ore systems, Proceedings, Rolla, Missouri, pp. 471-481.
- Higgins, Michael W., Atkins, Robert L., Crawford, Thomas J., Crawford, Ralf F., Brooks, Rebekah, and Cook, Robert B., 1988, The structure, stratigraphy, tectonostratigraphy, and evolution of the southernmost part of the Appalachian orogen: United States Geological Survey Professional Paper 1475, 173 p.
- Dean, Lewis S. and Cook, Robert B., Jr., 1987, Some geochemical aspects of tin mineralization related to granitic rocks of the northern Alabama Piedmont: in Drummond, M. S. and Green, N. L. (eds.), Granites of Alabama, Alabama Geological Survey, pp. 199-207.
- Cook, Robert B., 1987, Notable gold occurrences in Georgia and Alabama: Mineralogical Record, v. 18, no. 1, p. 65-74.
- Cook, Robert B., Jr., Dean, Lewis S., and Foord, Eugene E., 1987, Tin-tantalum mineralization associated with the Rockford Granites, Coosa County, Alabama: in Drummond, M. S. and Green, N. L. (eds.), Granites of Alabama, Alabama Geological Survey, pp. 209-220.
- Green, N. L. and Cook, R. B., 1987, Fluorine geochemistry of northern Alabama Piedmont granitoids and its relation to tin metallogenesis: in Drummond, M. S. and Green, N. L. (eds.), Granites of Alabama, Alabama Geological Survey, pp. 183-198.
- Cook, Robert B., Jr., 1986, The Two-Bit Tin Prospect, Coosa County, Alabama: in Whittington, D. and others (eds.), Mineral resources of the northern Alabama Piedmont, Southeastern Geological Society Guidebook 27, pp. 47-49.
- Cook, Robert B., Jr. and Burnell, James, Jr., 1985, The trace metal signature of major lithologic units, Dahlonega District, Lumpkin County, Georgia: in Misra, Kula C. (ed.), Volcanogenic sulfide - precious metal mineralization in the Southern Appalachians, University of Tennessee Studies in Geology #16, pp. 206-219.
- Cook, Robert B., Jr., 1985, The mineralogy of Graves Mountain, Georgia: Mineralogical Record, v. 16, no. 6, pp. 443-458.
- Sears, James W. and Cook, Robert B., 1984, An overview of the remobilized Grenville basement rocks of the Pine Mountain Window, Alabama and Georgia: in Bartholomew, M. J., ed., The Grenville event



- in the Appalachians and related topics: Geological Society of America, Special Paper 194, pp. 281-287.
- Cook, Robert B. and Burnell, James R., 1984, Geology of the Dahlonga District, Georgia: Georgia Geological Survey Open File Report 85-3, map.
- Higgins, Michael W., Atkins, Robert L., Crawford, Thomas J., Crawford, Ralf F., III, and Cook, Robert B., 1984, A brief excursion through two thrust stacks that comprise most of the crystalline terrane of Georgia and Alabama: Georgia Geological Society Guidebook, 19th Annual Field Trip, 67 p.
- Cook, Robert B., Hicks, Benjamin K., and Beg, Mirza A., 1982, Reconnaissance uranium exploration, Clay and Coosa Counties, Alabama: Alabama Geological Survey Circular 107, 44 p.
- Gastaldo, Robert A. and Cook, Robert B., 1982, A reinvestigation of the paleobotanical evidence for the age of the Erin Shale, Clay County, Alabama: Geological Society of America, Special Paper 191, pp. 69-77.
- Cook, Robert B. and Smith, Everett, 1982, Mineralogy of Alabama: Alabama Geological Survey Bulletin 120, 285 p.
- Cook, Robert B. and Mallette, Reese E., 1981, Quality of surface water, Bell County, Kentucky: Kentucky Geological Survey, Series 11, Information Circular 5, 11 p.
- Sears, J. W., Cook, R. B., and Brown, D. E., 1981, Tectonic evolution of the western part of the Pine Mountain Window and adjacent Inner Piedmont Province: Alabama Geological Society Guidebook 18, pp. 1-13.
- Sears, James W., Cook, Robert B., Gilbert, Oscar E., Carrington, Thomas J., and Schamel, Steve, 1981, Stratigraphy and structure of the Pine Mountain Window in Georgia and Alabama, in Latest thinking on the stratigraphy of selected areas in Georgia: Georgia Geological Survey Information Circular 54-A, pp. 41-53.
- Brown, D. E. and Cook, R. B., 1981, Petrography of major Dadeville Complex rock units in the Boyds Creek area, Chambers and Lee Counties, Alabama: Alabama Geological Society Guidebook 18, pp. 15-40.
- Cook, Robert B., 1979, The mineralogy of Chanarcillo, Chile: The Mineralogical Record, v. 10, no. 4, pp. 197-204.
- Cook, Robert B., 1979, The occurrence of Japan-law twinning in quartz: The Mineralogical Record, v. 10, no. 3, pp. 137- 146.
- Cook, Robert B., 1978, The mineralogy of Chuquicamata, Chile: The Mineralogical Record, v. 9, no. 5, pp. 321-333.
- Cook, Robert B., 1978, Soil geochemistry of the Franklin-Creighton Gold Mine, Cherokee County, Georgia, in Short contributions to the geology of Georgia: Georgia Geological Survey Bulletin 93, pp. 15-21.
- Cook, Robert B., 1978, Mineralogy of massive sulfide deposits in west central Georgia, in Short contributions to the geology of Georgia: Georgia Geological Survey Bulletin 93, pp. 22- 31.

Cook, Robert B., 1978, Minerals of Georgia: Their properties and occurrences: Georgia Geological Survey Bulletin 92, 189 p.

Cook, Robert B., 1977, Morphology of Bolivian cassiterite: The Mineralogical Record, v. 8, no. 1, pp. 52-57.

Cook, Robert B., 1975, Mineralogy of the Department of Oruro, Bolivia: The Mineralogical Record, v. 6, no. 3, pp. 125-137.

Cook, Robert B., 1975, The occurrence of creedite at Colquiri, Inquisivi Province, Bolivia: The Mineralogical Record, v. 6, no. 6, pp. 278-281.

Neathery, T. L., Tull, J. F., Deininger, R. W., Russell, G. S. and Cook, R. B., 1975, Geologic profiles in the northern Alabama Piedmont: Alabama Geological Society, Thirteenth Annual Field Trip Guidebook, pp. 1-8.

Cook, Robert B., 1975, Economic geology of the northern Alabama Piedmont: Alabama Geological Society, Thirteenth Annual Field Trip Guidebook, pp. 99-110.

**PUBLISHED ABSTRACTS OF PAPERS PRESENTED BEFORE PROFESSIONAL SOCIETIES AND RELATED SHORT PAPERS:**

Fousek, R., Robert B. Cook, and Alex Glover, 2015, Reserves of high-calcium limestone underlying the historic ghost town of Battelle, DeKalb County, Alabama. Geological Society of America Annual Meeting, Southeastern Section, Programs with Abstracts V. 47, No. 2.

Higgins, Michael W., Ralph F. Crawford, and Robert B. Cook, 2009, Geologic map of the Blue Ridge in Georgia, southernmost Appalachians: Part I- Alabama state line to middle north Georgia. Geological Society of America Annual Meeting, Southeastern Section, Programs with Abstracts, p.

Crawford, Ralph W., Michael W. Higgins, and Robert B. Cook, 2009, Geologic map of the Blue Ridge in Georgia, southernmost Appalachians: Part II- middle north Georgia to the North Carolina State line. Geological Society of America Annual Meeting, Southeastern Section, Programs with Abstracts, p.

Sterling, J. W., M. G. Steltenpohl, R. B. Cook, P. Mueller, and A. L. Heatherington, 2005, Geological re-evaluation of the southernmost Brevard Zone, Alabama: implications for Appalachian evolution. Geological Society of America Annual Meeting Programs with Abstracts, p.

Francis, C. A., and Cook, R. B., 2004, The Harvard Mineralogical Museum's gold collection. Mineralogical Record, v. 35, p. 58.

Cook, R. B., and Pohwat, P., 2003, Llallagua, Bolivia: Mineral associations and habits exhibited by micromounts in the collection of the National Museum of Natural History (Smithsonian Institution). Mineralogical Record, v. 34, p. 115.

Turner, J.P., Saunders, J.A., and Cook, R.B., 2002, Petrographic evidence for amorphous silica precursors and geomicrobiologic processes in silicified and pyritized Holocene wood: Geological Society of America Annual Meeting Programs with Abstracts, p. 493.

- Cook, R.B., and Nicolson, B.E., 2002, The occurrence of diopside in African mineral deposits: Mineralogical Record, v. 33, no. 1, p. 77-78.
- Cook, R.B., Nicolson, B.E., and Bruce, I.R., 2002, Reopening of the Tsumeb mine, Namibia: Mineralogical Record, v. 33, no. 1, p. 78.
- Hinton, J.L., and Cook, R.B., 1998, Changing times for the deep south aggregate industry: Technical Program Abstracts, Society of Mining Engineers Annual Meeting, p. 55.
- Fousek, R.S., and Cook, R.B., 1997, Early Cambrian Weisner Quartzite as a source of construction aggregates in Alabama: Geological Society of America Abstracts with Programs, vol. 29, no. 3, p. 17.
- Cook, R.B., Thomson, I., and Brazell, T.N., 1997, Lithogeochemical and related trends through the lower mineralized zone of the Don Mario Gold-Copper deposit, Santa Cruz, Bolivia: Geological Society of America Abstracts with Programs, vol. 29, no. 6, p. A-445.
- Thomson, I., Cook, R.B., and Brazell, T.N., 1997, Geologic setting and exploration history of the Don Mario Gold-Copper deposit, Santa Cruz, Bolivia: Geological Society of America Abstracts with Programs, vol. 29, no. 6, p. A-444.
- Brazell, T.N., Cook, R.B., and Thomson, I., 1997, General characteristics of the upper and lower mineralized zones, Don Mario Gold-Copper deposit, Santa Cruz, Bolivia: Geological Society of America Abstracts with Programs, vol. 29, no. 6, p. A-445.
- Cook, R. B., and Fousek, R. S., 1996, Metal distributional patterns in bank sediment of the Coeur d'Alene River west of Kellogg, Idaho: Geological Society of America Abstracts with Program, v. 28, no. 4, p. 4-5.
- Fousek, R. S., and Cook, R. B., 1996, Aerial distributional patterns of metals in the sediments of the flood plains and river bank of the South Fork and Coeur d'Alene Rivers, Shoshoni and Kootenai counties, Idaho: Geological Society of America Abstracts with Programs, v. 28, no. 4, p. 8.
- Cook, R. B., 1995, The occurrence of topaz in the southeastern United States: Mineralogical Record 26, 1, 64.
- Saunders, J. A., Thomas, R. C., Cook, R. B., and Crowe, D. E., 1995, Mineralogy, geochemistry and textures of iron sulfides produced by sulfate-reducing bacteria: Goldschmidt Conference, in press.
- Cook, R. B., and Thomson, I., 1995, Character of Brevard Zone-Inner Piedmont boundary mineralization at the Sessions prospect, Eagle Creek District, Tallapoosa County, Alabama: Geological Society of America Abstracts with Programs, v. 27, no. 6, p. A-117.
- Thomson, I., and Cook, R. B., 1995, Structural and lithological controls to gold mineralization, Eagle Creek district, Tallapoosa County, Alabama: Geological Society of America Abstracts with Programs, v. 27, no. 6, p. A-117.

- Cook, Robert B. and Foord, Eugene E., 1993, Exploration geochemistry resulting in the discovery of the McAllister Sn-Ta deposit, Coosa County, Alabama (abs.): Geological Society of America, Abstracts with Programs, Southeastern Section, v. 25, no. 4, p. 9.
- Grimes, Jonathan E., Steltenpohl, Mark G., Keefer, William D., and Cook, Robert B., 1993, New geological studies of the most southern part of the Brevard zone, Alabama: Tectonic implications (abs.): Geological Society of America, Abstracts with Programs, Southeastern Section, v. 25, no. 4, p. 19.
- Horowitz, A. J., Elrick, K. A., and Cook, R. B., 1993, The effects of mining and related activities on the trace-element geochemistry of sediment from Lake Coeur d'Alene, Idaho, U.S.A.: in Allen, R. C., and Nriagu, J. O., Proceedings of the International Conference on Heavy Metals in the Environment, V.II, p. 317.
- Cook, Robert B., 1992, Pyromorphite and associated secondary lead minerals of the southeastern United States: Programs with Abstracts, Mineralogical Soc. of America Symposium, p. 4.
- Cook, Robert B., Salpas, Peter A., Carpenter, Robert H., and Nelen, Joseph A., 1992, The Shiloh REE occurrences, Harris and Talbot counties, Georgia (abs.): Geological Society of America, Abstracts with Programs, v. 24, no. 7, p. A234.
- Cook, Robert B., 1991, Carnotite, Cassiterite, Cinnabar, Malachite, and Pitchblende: The World Book Encyclopedia, v. 3 p. 244; v. 3 p. 276; v. 4 p. 557; v. 13 p. 95; v. 15, p. 504.
- Cook, Robert B., 1990, Recent developments in the exploration and exploitation of gold deposits in the southeastern United States (abs.): The Journal of the Alabama Academy of Science, v. 61, n.3, p. 111.
- Cook, Robert B., 1990, Regional geologic setting for recent gold exploration and development in the southeastern United States (abs.): The Society of Mining, Metallurgy and Exploration, Goldtech4, p. 37-38.
- Cook, Robert B. and Burnell, James R., 1989, A geochemical investigation of the Mason Mountain sperrylite occurrence, Macon County, North Carolina (abs.): Geological Society of America, Abstracts with Programs, v. 21, no. 3, p. 9.
- Steltenpohl, Mark G., Dean, Lewis S., Sears, Jim W., Cook, Robert B., Carrington, T. Jack, Colberg, Mark R., Bearce, Steven C., Hanley, Thomas B., and McDaniel, C. Russell, 1989, Present status of geological quadrangle maps of the southern Alabama Piedmont (abs.): Geological Society of America, Abstracts with Programs, v. 21, no. 3, p. 59.
- Cook, R. B. and Nelen, J. A., 1988, Exploration significance of multistage Cretaceous and Modern processes in placers of the Georgia-Alabama Fall Line (abs.): American Institute of Mining Engineers Technical Program, p. 42.
- Johnson, M. J. and Cook, R. B., 1988, Lithologic and structural constraints on gold mineralization, Eagle Creek District, Tallapoosa County, Alabama (abs.): Geological Society of America Abstracts with Programs, v. 20, no. 4, p. 273.
- Horowitz, Arthur J., Elrick, Kent A., Hooper, Ronald C., and Cook, Robert B., 1988, The source and transport of arsenic in the Whitewood Creek-Belle Fourche-Cheyenne River-Lake Oahe system,

- South Dakota, U.S.A. (abs.): Abstracts of the International Symposium on the fate and effects of toxic chemicals in large rivers and their estuaries, Quebec, Canada, p. 37.
- Cook, Robert B., 1987, The relationship of base and precious metal stream sediment geochemistry to mafic-ultramafic rocks of the Alabama and adjacent Georgia Inner Piedmont (abs.): Geological Society of America, Abstracts with Programs, v. 19, no. 2, p. 80.
- Cook, Robert B. and Bittner, Enid, 1987, Tectonic modeling as a guide to base and precious metal exploration in the southernmost Appalachian orogen (abs.): in Proceedings of the North American conference on tectonic control of ore deposits and the vertical and horizontal extent of ore systems, Rolla, Missouri, p. 19.
- Bittner, Enid and Cook, Robert B., 1987, Sequence and styles of deformation in the Dadeville Complex of the Alabama Inner Piedmont (abs.): Geological Society of America, Abstracts with Programs, v. 19, no. 2, p. 76.
- Cook, Robert B., Jr. and Foord, Eugene E., 1986, Geology and mineralogy of the McAllister Sn-Ta Deposit, Coosa County, Alabama, U.S.A. (abs.): Proceedings, 7th IAGOD Symposium, Lulea, Sweden, pp. 527-528.
- Cook, Robert B., Jr., Sauer, R. Tyler, and Neal, William L., 1986, Some observations on the relationship between gold in soil, saprolite and rock in the southeastern United States (abs.): Geological Society of America, Abstracts with Programs, v. 18, no. 1, p. 10.
- Higgins, Michael W., Atkins, Robert L., Crawford, Thomas J., Crawford, Ralf E., Brooks, Rebekah, and Cook, Robert B., Jr., 1985, The structure, stratigraphy, tectonostratigraphy and evolution of the southernmost part of the Appalachian Orogen, Georgia and Alabama (abs.): Geological Society of America, Abstracts with Programs, v. 17, no. 7, p. 610.
- Cottier, John W. and Cook, Robert B., Jr., 1986, I am curious yellow and red: The use of body pigments by the historic Creek Indians (abs.): Alabama Academy of Science.
- Cook, Robert B., 1986, Li-Rb-Ca-Be distribution in the McAllister tin-tantalum deposit, Coosa County, Alabama (abs.): Geological Society of America, Abstracts with Programs, v. 18, no. 6, p. 570.
- Cook, Robert B., Jr. and Burnell, James R., Jr., 1985, Trace metal signature of major lithologic units, Dahlonega District, Lumpkin County, Georgia (abs.): Geological Society of America, Abstracts with Programs, v. 17, no. 2, p. 85.
- Foord, Eugene E., Allen, Michael S., Heyl, Allen V., and Cook, Robert B., 1984, Monoclinic ixiolite, ashanite, and "wolframioixiolite": mineralogy, paragenesis, and bearing on the nomenclature, occurrence and stability of columbite-tantalite and wolframite group minerals (abs.): Mineralogy in the Earth Sciences and Industry, p. 19.
- Allen, Nancy E. and Cook, Robert B., Jr., 1984, The relationship of precious metal mineralization to the Brevard zone in Hall and Gwinnett Counties, Georgia (abs.): Geological Society of America, Abstracts with Programs, v. 16, no. 3, p. 122.
- Cook, R. B. and Burnell, J. R., 1983, Geology of the Dahlonega District, Georgia (abs.): Geological Society of America, Abstracts with Programs, v. 15, no. 2, p. 109.

- Sears, James W. and Cook, Robert B., 1982, Grenville basement rocks in the Pine Mountain Window of the Alabama and Georgia Piedmont (abs.): Geological Society America, Abstracts with Programs, v. 14, nos. 1 and 2, p. 81.
- Cook, R. B., 1982, Current and future trends in base and precious metal exploration - Alabama and Georgia Piedmont (abs.): in Exploration for metallic resources in the southeast, University of Georgia, pp. 32-33.
- Sears, J. W. and Cook, R. B., 1982, The Pine Mountain Window and environs: emplacement of a volcanogenic terrane over the Paleozoic margin of the North American craton - exploration significance (abs.): in Exploration for metallic resources in the southeast, University of Georgia, pp. 87-90.
- Sears, James W. and Cook, Robert B., 1981, The nature and regional significance of the Stonewall Line, Alabama and Georgia (abs.): Geological Society of America, Abstracts with Programs, v. 13, no. 4, p. 550.
- Gastaldo, Robert A. and Cook, Robert B., 1981, A reinvestigation of paleobotanical evidence for the age of the Erin Shale, Clay County, Alabama (abs.): Geological Society of America, Abstracts with Programs, v. 13, no. 1, p. 7.
- Cook, Robert B. and Mallette, Reese E., 1980, Evaluation of the Beulah radiometric anomaly, Lee County, Alabama (abs.): Geological Society of America, Abstracts with Programs, v. 12, no. 4, p. 174.
- Cook, Robert B., 1978, The Lower Pottsville Formation in the Coalburg Syncline, Jefferson County, Alabama (abs.): Geological Society of America, Abstracts with Programs, Southeast Section, v. 10, no. 2, pp. 165-166.
- Cook, Robert B. and Neathery, T. L., 1976, Surface investigation of aeroradiometric anomalies in the Alabama Piedmont (abs.): Geological Society of America, Abstracts with Programs, Southeast Section, v. 8, no. 2, p. 154.
- Cook, Robert B., 1975, Geology of the Caracoles Sn-Bi-W Deposits, Bolivia (abs.): Journal of Alabama Academy of Science, v. 46, nos. 3 and 4, pp. 110-111.
- Cook, Robert B., 1975, Results of exploration for massive sulfide deposits, Nemo District, South Dakota (abs.): Geological Society of America, Abstracts with Programs, v. 7, no. 5, p. 599.
- Cook, Robert B., 1975, Results of exploration for massive sulfide deposits, Bear Mountain District, South Dakota (abs.): Geological Society of America, Abstracts with Programs, v. 7, no. 5, pp. 598-599.
- Cook, Robert B. and Payne, Curtis C., 1975, Structure and emplacement of the Rockford pluton, Coosa County, Alabama (abs.): Geological Society of America, Abstracts with Programs, v. 7, no. 4, pp. 179-180.
- Cook, Robert B., 1974, Genetic implications of geochemical relationships between country rock, wall rock, and "ore" of massive sulfide deposits, west-central Georgia (abs.): Bulletin of Georgia Academy of Science, v. 32, no. 2, p. 80.



- Cook, Robert B., 1974, Accessory and secondary mineralogy of stanniferous deposits, Coosa County, Alabama (abs.): Geological Society of America, Abstracts with Programs, v. 6, no. 4, p. 345.
- Cook, Robert B., 1973, Tetradymite in the southeastern United States (abs.): Journal of Alabama Academy of Science, v. 44, no. 3, pp. 185-186.
- Cook, Robert B. and Hughes, Thomas C., 1973, Langite, linarite, and brochantite in the Chestatee Massive Sulfide Deposit, Lumpkin County, Georgia (abs.): Bulletin of Georgia Academy of Science, v. 31, no. 2, p. 84.
- Cook, Robert B., 1973, Recrystallization characteristics of massive sulfide deposits in west-central Georgia (abs.): Geological Society of America, Abstracts with Programs, v. 5, no. 5, p. 389.
- Cook, Robert B., 1972, Exploration for disseminated molybdenum-copper mineralization in the Conner Stock, Wilson and Nash Counties, North Carolina (abs.): Geological Society of America, Abstracts with Programs, v. 4, no. 7, p. 476.
- Cook, Robert B., 1970, Gold mineralization at the Latimer Mine, Wilkes County, Georgia (abs.): Geological Society of America, Abstracts with Programs, v. 2, no. 3, p. 202.

#### **UNPUBLISHED PROFESSIONAL REPORTS**

- Cook, R. B., and K. Troensegaard, 2014, Results of Phase I Trenching- Pipeline and Pig Trail Areas, Harris and Talbot Counties, Georgia; SE Metals, LLC, 70 p.
- Cook, R.B., 2014, Results of exploration for rare earth occurrences within the Pine Mountain Window, Harris, Talbot and Upson Counties, Georgia. Prepared for SE Metals, LLC, 53 p.
- Cook, R. B. and K. Troensegaard, 2013, Memorandum update on Georgia rare earth project-geologic mapping and lithogeochemistry. Prepared for SE Metals, LLC, 8 p.
- Cook, R. B., and K. Troensegaard, 2013, Results of Phase II trenching, Newbill Property, Talbot County, Georgia. Prepared for SE Metals, LLC, 49 p.
- Cook, R. B., 2012, Results of Phase I trenching, Newbill property, Talbot County, Georgia. Prepared for SE Metals, LLC., 48p.
- Cook, R. B., 2010, Conservation Easement Document for Fox Mountain Holdings, LLC. 11 p.
- Cook, R. B., 2010, Petrology, Petrography, and Geology of the APAC-Midsouth Alexander City, Alabama quarry with specific reference to asbestos, asbestiform minerals, and crystgalline silica. Oldcastle Materials, Inc., 14 p.
- Cook, R. B., 2010, Petrology, petrography, and geologic setting of rock units at the APAC-Midsouth Mulberry quarry, Paulding County, Georgia with specific reference to asbestos, asbestiform minerals, and crystalline silica. Oldcastle Materials, Inc., 14 p.
- Cook, R. B., 2010, Geologic setting, petrology, and petrography of rock units at APAC-Midsouth's Opelika, Lee County, Alabama quarry site with specific reference to asbestos, asbestiform minerals, and crystalline silica. Oldcastle Materials, Inc., 19 p.



- Cook, R. B., 2010, Geologic setting, petrology, and petrography of rock units at the Camak, Georgia, Quarry site with specific reference to asbestos, asbestiform minerals, and crystalline silica. Oldcastle Materials, Inc. 11p.
- Cook, R. B., 2009, Scoping Study – Potential for successful gold exploration in Georgia and Alabama – 2010. Kinross Gold Corporation, 54 p.
- Cook, R. B., 2009, Petrographic description of concrete from the Georgia Mountain Parkway Parking Deck. Lafarge North America, U.S. Aggregates East Division, 7 p.
- Cook, R. B., 2008, Petrography of concrete from three residences in the area of Princeton, Eddyville, and Fredonia, Kentucky. Expert report for Hanson Aggregates Southeast through Phears and Moldovan. 22 p.
- Cook, R. B., 2008, Report on petrographic and related characteristics of concrete from three residences in the area of Princeton, Eddyville, and Fredonia, Kentucky. Expert report for Hanson Aggregates Southeast through Phears and Moldovan. 18 p.
- Cook, R. B., 2008, High-calcium limestone resources, Dade, Chatooga, and Walker Counties, Georgia. Southern Company Services through FMR, Inc., 18 p.
- Cook, R. B., 2007. Petrographic analyses and descriptions, Monroe County Georgia Expansion Area. Hanson Aggregates East. 18 p.
- Cook, R. B., 2007, Petrographic analysis-dominant rock types produced at the Hanson quarry, Habersham County, Georgia. Hanson Aggregates East, 7 p.
- Cook, R. B., 2007, Petrographic analysis-dominant rock types produced at the Hanson quarry, Toccoa, Georgia. Hanson Aggregates East, 7 p.
- Cook, R. B., 2007, Petrographic analysis-dominant rock types produced at the Hanson quarry, Gainesville, Georgia. Hanson Aggregates East, 7 p.
- Cook, R. B., 2007, Comments on a report entitled-Report on investigation of distressed concrete in the Madisonville, Kentucky area by Michael A. Ozol dated May 15, 2006 as amended January 15, 2007. Hanson Aggregates East through Phears and Moldovan. 8 p.
- Cook, R. B., 2006, Expert Opinions and Related Comments of Robert B. Cook Regarding the Geology of the Chewacla Marble and related rock units, Lee County, Alabama, and the Supposed Impact of Operations at Oldcastle's Opelika Quarry. Oldcastle Materials, 5 p.
- Cook, R. B., 2006, Supplemental summary of observations, data, and conclusions pertaining to concrete failure in the Madisonville, Kentucky area. Hanson Aggregates East through Phears and Moldovan. 6 p.
- Cook, R. B., 2006, Rebuttal and comments to the report- Review and comments on a document entitled "Supplemental summary of observations data, and conclusions pertaining to concrete failure in the Madisonville, Kentucky area and a CD with photographs of the thin sections examined by Robert Cook. Hanson-Cook-May 06-01 142 by P. E. Gratton Bellew. Hanson Aggregates East through Phears and Moldovan, 4 p.

- Cook, R. B., 2006, Memorandum report: Preliminary summary of activities pertaining to concrete failure related to the IMI-Hanson issue: August 24, 2004 – February 10, 2006. Report for Hanson Aggregates East through Phears and Moldovan, 4 p.
- Cook, R. B., 2005, Preliminary descriptions of stone received from Mark Huffman and attributed to a site at Clayton, California. Hanson Aggregates. 18 p.
- Cook, R. B., 2005, Characterization of chert from the Wenonah Quarry, Jefferson County, Alabama, and its potential for alkali-silica reactivity; Lafarge Aggregates, 38 p.
- Cook, R. B., 2005, Initial observations on drill core recently taken from the Princeton quarry and logged at the Patterson Exploration Services facility. Hanson Aggregates East through Phears and Moldovan. 33 p.
- Cook, R. B., 2004, Preliminary observations on thin sections of concrete cores taken from selected localities in the Madisonville, Kentucky area by Patterson Exploration Services, Sanford, North Carolina. Hanson Aggregates East through Phears and Moldovan, 83 p.
- Cook, R. B., 2004, Petrographic and X-ray diffraction examination of core from the “Cookie Factory” site. Patterson Exploration Services, 23 p.
- Cook, R. B., 2004, Petrography and related analyses of certain concrete raw materials. Patterson Exploration Services, 32 p.
- Cook, R. B., 2004, Petrographic examination of concrete taken from the “Dell Todd” driveway, Madisonville, Kentucky. Patterson Exploration Services, 14 p.
- Fincher, J. and Cook, R. B., 2004, Source water protection area delineation and potential contaminant sources inventory, Hale County Water Authority Well No. 2, Greensboro, Hale County, Alabama. Goodwin, Mills & Cawood, 39 p.
- Cook, R. B., 2003, Geology of the Hanson Aggregates, Inc. quarry and vicinity, Opelika, Lee County, Alabama, expert witness report for Balch & Bingham, LLP, 18 p.
- Cook, R. B., 2003, Petrography, X-ray diffraction, and geochemical examination of the Conasauga Formation, Wenonah, Jefferson County, Alabama. Lafarge Aggregates Southeast., 22 p.
- Fincher, J. and Cook, R. B. (certifying geologist), 2003, Source water protection area delineation and potential contaminant source inventory, North Dallas County Water Authority, Selma, Dallas County, Alabama. Goodwin, Mills, and Cawood. 48 p.
- Fincher, J., and Cook, R. B. (certifying geologist), 2003, Source water protection area delineation and potential contaminant source inventory, Belforest Water System, Water Supply Well No.1 and No. 2, Belforest, Baldwin County, Alabama. Goodwin, Mills, and Cawood. 49 p.
- Cook, R. B., 2003, Petrography: Hanson Aggregates Athens, Georgia quarry. Hanson Aggregates East, Southeast Region. 4 p.

- Cook, R. B., 2002, The potential premium attached to gold considered for jewelry and specimen purposes with respect to the former mining claims owned by Milan Martinek in the Denali National Park, Alaska. U. S. Department of Justice Expert Witness Report. 79 p.
- Cook, R. B., 2002, Letter report- Ramp failure: Martin Marietta Cayce, South Carolina quarry. Martin Marietta Aggregates, Inc., 4 p.
- Cook, R. B., 2002, Petrology and Petrography, Tibor Samples. Patterson Exploration Services, Inc., 12 p.
- Cook, R. B., 2002, Results of supplemental petrographic examination of concrete, coarse aggregate, and fine aggregate (sand) related to the IMI-Sonic and Cracker Barrel Issue. Hanson Aggregates East, 15 p.
- Cook, R. B., 2002, Letter report on Morgan Concrete- Habersham Quarry manufactured sand issue. Hanson Aggregates East, Southeast Region, 13 p.
- Cook, R. B., 2001, Potential Causes of variability in Los Angeles Abrasion test results, Fayette County, Georgia quarry. Hanson Aggregates East, Southeast Region. 15 p.
- Cook, R. B., 2001, Geology of the Martin Marietta quarry and vicinity, Lee County, Alabama. aquaFUSION, Inc., 12 p.
- Cook, R. B., 2001, Petrographic descriptions of 89's, 57's and 3's from product inventory, Gainesville Stone. Hanson Aggregates East, Southeast Region. 8 p.
- Cook, R. B., 2001, Petrographic descriptions and photomicrographs-Aggrock Project. Patterson Exploration Services, Inc., 5 p.
- Cook, R. B., and Ward, B. A., 2001, The April 26, 2000, north wall failure at the Hanson Aggregates East, Southeast Region's Monroe County, Georgia Quarry- cause, post-failure monitoring, and re-entry plan. Hanson Aggregates East, Southeast Region. 59 p.
- Cook, R. B., 2000, Petrographic descriptions and photomicrographs, Sandy Flats quarry, South Carolina. Hanson Aggregates East, Southeast Region. 8 p.
- Cook, R. B., 2000, Petrography and geochemistry, Athens, Georgia quarry. Hanson Aggregates East, Southeast Region. 9 p.
- Reeves, B., and Cook, R. B., 2000, Phase II environmental site assessment for the Progress Rail Services Birmingham, Alabama shop facility. Goodwin, Mills and Cawood. 26 p.
- Cook, R. B., 2000, Petrographic analysis of six sand samples. Law Engineering and Environmental Services, Inc. 8 p.
- Cook, R. B., 2000, Petrographic analysis of three dimension stone samples-Law Engineering and Environmental Services, Inc. Project 50163-9-01.832. 8 p.
- Cook, R. B., 2000, Petrographic examination of granitic stone. Law Engineering and Environmental Services Project 50163-9-3013. 18 p.

- Cook, R. B., and Ward, B. S., 2000, Resource evaluation, Monroe County Quarry. Hanson Aggregates East, Southeast Region. 7 p.
- Patterson, O. F., Singletary, H. M., Fousek, R. S., Cook, R. B., and Boblett, M. A., 1999, Exploration and evaluation of aggregate reserves, Greenwood Project. Hanson Aggregates East, Southeast Region. 83 p.
- Patterson, O. F., Singletary, H. M., Cook, R. B., and Boblett, M. A., 1999, Results of exploration and testing-Pelham Project. Hanson Aggregates East, Southeast Region. 90 p.
- Patterson, O. F., Singletary, H. M., Fousek, R. S., Cook, R. B., and Boblett, M. A., 1999, Evaluation of existing core-Balboa Project. Patterson Exploration Services, Inc. 187 p.
- Cook, R. B., 1999, Evaluation of potential gold-bearing lithologies, Blue Circle Aggregates facility, Cumming, Forsyth County, Georgia. Blue Circle Aggregates, Inc. 20 p.
- Cook, R. B., 1999, Stone Characterization study, Walton County, Georgia site. Hanson Aggregates East, Southeast Region. 58 p.
- Cook, R. B., 1999, Petrographic descriptions of thin sections- Gainesville Stone Property, Hal County, Georgia. Hanson Aggregates East, Southeast Region. 10 p.
- Patterson, O. F., Singletary, H. M., and Cook, R. B., 1999, Results of exploration- Hanson's Tiftonia Quarry. Hanson Aggregates East. 44 p.
- Patterson, O. F., Singletary, H. M., Cook, R. B., and Boblett, M. A., 1999, Exploration and evaluation of aggregate reserves-Opelika Project. Hanson Aggregates East, Southeast Region, 88 p.
- Patterson, O. F., Singletary, H. M., Cook, R. B., and Boblett, M. A., 1999, Exploration and evaluation of Aggregate Reserves, Gainesville Limestone Products. Hanson Aggregates East, Southeast Region. 115 p.
- Cook, R. B., 1999, Geology of the Southwire facility, Carrollton, Georgia. Williams Environmental. 5 p.
- Reeves, B., and Cook, R. B., 1998, Wellhead protection area delineation and potential contaminant source inventory, Mooreville Water Board. Goodwin, Mills, and Cawood, 54 p.
- Hinton, J. and Cook, R. B., 1998, Structural features of the J. M. Huber mine, Marble Hill, Pickens County, Georgia- Preliminary Report. J. M. Huber, Inc., 29 p.
- Reeves, B., and Cook, R. B., 1998, Wellhead protection area delineation and potential contaminant source inventory, South Bullock County Water Authority, Union Springs, Bullock County, Alabama. Goodwin, Mills, and Cawood. 41 p.
- Reeves, B., and Cook, R. B., 1998, Wellhead protection area delineation and potential contaminant source inventory-Dallas County Water and Sewer Authority. Goodwin, Mills, and Cawood. 56 p.
- Reeves, B., and Cook, R. B., 1998, Wellhead protection area delineation and potential contaminant source inventory to include the proposed Cox Well, Orange Beach Water Authority, Inc., Orange Beach, Baldwin County, Alabama. Goodwin, Mills, and Cawood. 46 p.

- Reeves, B., and Cook, R. B., 1997, Preliminary geologic study and potential contaminant source inventory including Wellhead Protection Area I and estimated Wellhead Protection Area II delineation for the proposed Eagle Well, Oxford Water & Sewer Board, Oxford, Calhoun County, Alabama. Goodwin, Mills, and Cawood. 60 p.
- Cook, R. B., 1997, Petrographic and petrochemistry, mylonitic granodiorite gneiss, Davidson Mineral Properties quarry, Alexander City, Alabama. 9 p.
- Hinton, J., and Cook, R. B., 1997, Preliminary mining plan-Monroe County Quarry, Davidson Mineral Properties. 11 p.
- Cook, R. B., 1997, Preliminary report-Geochemistry of the Mitchell Dam area, Chilton and Coosa Counties, Alabama. Alabama Power Company, 33 p.
- Cook, R. B., 1997, Preliminary observations on thin sections from Swedish rocks. Orvana Minerals, Inc., 5 p.
- Cook, R. B., 1997, Petrography of aggregate from the Homer, Between, and Auburn Georgia sites. Martin Marietta Aggregates, 18 p.
- Reeves, B., and Cook, R. B. (certifying geologist), 1996, Wellhead protection area delineation- Citizens Water System, County Road 9, Bibb County, Alabama. Goodwin, Mills, and Cawood. 24 p.
- Cook, R. B., 1997, Preliminary report on petrography and petrochemistry of rocks from the Don Mario gold-copper deposit and environs, Bolivia. Orvana Minerals, Inc., 17 p.
- Cook, R. B., 1997, Petrography and Petrochemistry of selected samples from holes DM-31 and DM- 42, Don Mario Project, Santa Cruz, Bolivia. Orvana Minerals, Inc., 9 p.
- Cook, R. B., 1997, Petrography and petrochemistry of felsic gneiss, Long Branch quarry, Dahlonega, Georgia. Mr. Steve Whitmire, 18 p.
- Cook, R. B., 1996, Preliminary petrographic observations for samples from hole DM-81, Don Mario Deposit, Santa Cruz, Bolivia-memorandum report; Orvana Minerals, Inc, 12 p.
- Cook, R. B., 1996, Petrography and geochemistry of the Don Mario Upper Mineralized Zone and associated samples, Santa Cruz, Bolivia. Orvana Minerals, Inc., 12 p.
- Vest, M., and Cook, R. B., 1996, Stone quality and reserve estimate-Colwell Construction Company Blairsville, Ellijay, and Dahlonega, Georgia Quarries. Davidson Mineral Properties, 28 p.
- Cook, R. B., 1996, Chemical and petrographic analyses, Monroe County, Georgia quarry-Davidson Mineral Properties, Inc., 8 p.
- Cook, R. B., Floesser, J., and Pritchett, M., 1996, Preliminary geochemical atlas for Tallapoosa County, Alabama. Alabama Power Company, 460 p.
- Cook, R. B., 1995, Chemical and petrographic analyses: Davidson Mineral Properties, Inc. Anderson, South Carolina quarry. 9 p.

- Cook, R. B., 1995, Reserve study and mine plan: Toccoa, Georgia quarry. Davidson Mineral Properties. 10 p.
- Cook, R. B., 1995, Chemical and petrographic analyses, Toccoa, Georgia quarry, Davidson Mineral Properties, Inc., 11 p.
- Cook, R. B., 1995, Chemical and petrographic analyses, Sandy Flats, South Carolina quarry. Davidson Mineral Properties, Inc., 11 p.
- Cook, R. B., 1994, Letter report- Evaluation of potential quarry acquisition, Homer, Georgia. Davidson Mineral Properties, Inc., 10 p.
- Cook, R. B., 1994, Probable cause of Lipari Superfund Site baghouse fire of 11/20/94. RMT/ Four Nines, Inc., 8 p.
- Cook, R. B., and Higgins, T., 1993, Five-year mine plan: Monroe County, Georgia quarry. Davidson Mineral Properties, Inc., 8 p.
- Cook, R. B., 1993, Reconnaissance gamma-ray survey-western Coosa County, Alabama. Alabama Power Company. 6 p.
- Cook, R. B., 1991, Supplemental information on the Sessions, Alabama, Gold Deposit. FMC Gold Company, 26 p.
- Cook, R. B., 1991, Results of exploration, Sessions Gold Deposit, Tallapoosa County, Alabama. FMC Gold Company, 14 p.
- Woodard, G., and Cook, R. B., 1990, Preliminary and secondary site assessment- Koppers Industries, Montgomery, Alabama. CWA Group, 170 p.
- Cook, R. B. (certifying geologist) and Woodard, G., 1990, Proposed secondary site investigation plan, Notasulga Exxon. CWA Group, 118 p.
- Woodard, G., and Cook, R. B., 1990, Final report- corrective action plan for the RDC facility, Southwire Corporation, Carrollton, Georgia. CWA Group, 234 p.
- Johnson, M. J., and Cook, R. B., 1989, Results of additional assessment work as recommended in the Interim Groundwater Assessment- Stallworth Timber Company, Inc., Beatrice, Alabama Harmon Engineering Associates, Inc., 26 p.
- Johnson, M. J., and Cook, R. B., 1989, Annual groundwater monitoring report-Stallworth Timber Company, Beatrice, Alabama. Harmon Engineering Associates, Inc., 37 p.
- Woodard, G. and Cook, R. B., 1989, Corrective action plan for the RDC facility, Southwire Corporation, Carrollton, Georgia. CWA Group, 69 p.
- Cook, R. B., 1989, Evaluation of the Oak Bowery, Sessions, and Simmons Crossroads geochemical anomalies, Chambers and Tallapoosa Counties, Alabama. Meridian Gold Corporation, 89 p.

- Cook, R. B. (certifying geologist and co-author), 1988, Preliminary assessment of CERCLA candidate sites and related sites of possible environmental significance- Marshall Space Flight Center. Harmon Engineering Associates, Inc., 144 p.
- Cook, R. B. (certifying geologist), 1988, Preliminary assessment of CERCLA candidate sites, Marshall Space Flight Center- Sampling and Analysis plan. Harmon Engineering Associates, Inc., 72 p.
- Cook, R. B. (certifying geologist), 1988, Interim groundwater assessment at Stallworth Timber, Beatrice, Alabama. Harmon Engineering Associates. 132 p.
- Cook, R. B., Johnson, M. J., and Woodard, G., 1988, Preliminary assessment and site inspection: Hazardous waste disposal and potential migration from abandoned sites, Marshall Space Flight Center, Huntsville, Alabama. Harmon Engineering Associates, Inc. 151 p.
- Shearon, M., Cook, R. B., and Woodard, G., 1987, Preliminary assessment and potential CERCLA site inspection, NASA Santa Susana large engine test facility. Harmon Engineering Associates, Inc., 44 p.
- Shearon, M., Cook, R. B., and Woodard, G., 1987, Preliminary assessment and site inspection-Hazardous Waste Disposal and Potential Migration from Abandoned Sites, NASA Slidell Computer Complex. Harmon Engineering Associates, 32 p.
- Cook, R. B., and Woodard, G., 1987, Assessment plan for the inactive solid waste management units at the NASA Michoud Assembly Facility. Harmon Engineering Associates, Inc., 110 p.
- Cook, R. B., and Sauer, R. T., 1985, Phase I exploration in the Paulding Volcanic Belt, Alabama and Georgia. Callahan Mining Company, 77 p.
- Cook, R. B., and Sauer, R. T., 1985, Preliminary evaluation of the Annie Mitchell tin prospect and Lineville tin-tantalum anomaly, Coosa and Clay Counties, Alabama. Callahan Mining Company, 24 p.
- Cook, R. B., 1985, Letter report- Evaluation of Cominco American's Howie Mine, North Carolina project. Callahan Mining Corporation, 5 p.
- Cook, R. B., 1985, McAllister Prospect- follow up trenching and core mineralogy. Callahan Mining Company, 21 p.
- Cook, R. B., 1985, Sample descriptions and analytical data: July 15, 1982 - January 15, 1985-McAllister Zone, Coosa County, Alabama. Callahan Mining Company, 94 p.
- Sauer, R. T., and Cook, R. B., 1984, Slate Belt extension Phase-I reconnaissance report Callahan Mining Corporation, 18 p.
- Cook, R. B., 1983, Letter report- Evaluation of the Mary Mine, Nevada Project. Callahan Mining Corporation, 5 p.
- Cook, R. B., and Troensegaard, K. W., 1983, Rockford Pluton follow-up: Prospect evaluation/potential trenching exclusive of the "McAllister" discovery zone. Callahan Mining Company, 48 p.
- Cook, R. B., and Troensegaard, K. W., 1983, Rockford Pluton project: Follow-up trenching-McAllister Prospect, Coosa County, Alabama. Callahan Mining Company, 16 p.



- Cook, R. B., and Troensegaard, K. W., 1983, Phase I and II tin and tantalum exploration, Coosa County, Alabama. Callahan Mining Company, 212 p.
- Cook, R. B., 1982, Letter report- Evaluation of the Newport Minerals Brewer Mine, South Carolina project. Callahan Mining Corporation, 4 p.
- Cook, R. B., 1982, Phase-I evaluation of the Leading Ridge Co-Ni prospect and adjacent areas, Gilmer County, Georgia. Callahan Mining Company, 31 p.
- Cook, R. B., and Troensegaard, K. W., 1982, Rockford Pluton Follow-up: Ore discovery phase-McAllister property, Coosa County, Alabama. Callahan Mining Company, 59 p.
- Cook, R. B., 1982, Phase-I Interim report: Calloway Volcanic Belt, Alabama. Callahan Mining Company. 28 p.
- Shearon, M. and Cook, R. B., 1981, Hydrogeological and geotechnical assessment, Joplin Wood Preserving Plant. Harmon Engineering and Testing, 55 p.
- Shearon, M., and Cook, R. B., 1981, Hydrogeological and geotechnical assessment, Wiggins Wood Preserving Plant. Harmon Engineering and Testing, 46 p.
- Shearon, M., and Cook, R. B., 1981, Field work plans for geotechnical and hydrogeological investigations, International Paper Company Treated Wood Products Division, Dallas Texas. Harmon Engineering and Testing, 46 p.
- Cook, R. B., 1981, Phase-I gold exploration in the Dahlonega District, Georgia. Callahan Mining Corporation. 66 p.
- Cook, R. B., and others, 1981, Sampling and analysis plan for groundwater monitoring-Mountain Pine Pressure Treating, Inc., Harmon Engineering and Testing, 32 p.
- Cook, R. B. 1981, Tin Exploration in the Rockford District and outlying areas, Coosa and Clay Counties, Alabama. Callahan Mining Company. 46 p.
- Cook, R. B., 1981, Reconnaissance exploration in the Rockford Tin District, Coosa County, Alabama. Callahan Mining Company, 31 p.
- Cook, R. B., 1981, Critical review of Earth Management Inc. permit application for a secure industrial waste disposal facility, Heard County, Georgia. Georgia 2000, 9 p.
- Cook, R. B., and Mallette, R. E., 1979, Reconnaissance uranium exploration in Coosa and Clay Counties, Alabama. The Drummond Company, 28 p.
- Mallette, R. E., and Cook, R. B., 1979, Sinkhole investigation, Lake Ogletree Area, Lee County, Alabama. Auburn Waterworks Board, 25 p.
- Mallette, R. E., and Cook, R. B., 1978, Water quality report-Daniel Creek and adjacent areas. Mitchell and Neely, Inc., 11 p.

- Mallette, R. E., and Cook, R. B., 1978, Reclamation effectiveness and practices of the Mitchell and Neely, Inc., surface coal mining operations, Daniel Creek Basin, Tuscaloosa County, AL. Mitchell and Neely, Inc., 14 p.
- Cook, R. B., 1977, Coalbed methane potential of Tutwiler Lands, Jefferson County, Alabama. Reese E. Mallette and Associates, Inc., 13 p.
- Cook, R. B., 1977, Chromite: Facts and exploration feasibility. Reese E. Mallette and Associates, Inc., 19 p.
- Mallette, R. E., Cook, R. B., Graham, G., and McMillan, R., 1976, Coal resources on the Deepwater Lands. First National Bank of Birmingham. 36 p.
- Cook, R. B., 1976, Status of land ownership, Alabama lignite belt. Reese E. Mallette and Associates, Inc., 12 p.
- Cook, R. B., 1975, Reconnaissance gold exploration in the Rochford district, Black Hills region, South Dakota, Bear Creek Mining Company, 34 p.
- Cook, R. B., 1974, Reconnaissance exploration for new talc resources, Winterboro area, Talladega County, Alabama. American Talc Company. 9 p.
- Cook, R. B., 1973, Reconnaissance gold exploration in the central Black Hills region, South Dakota. Cyprus Mines Corporation, 19 p.
- Lindgren, D. W., Cook, R. B., and Yonk, A. K., 1972, Exploration for metallic mineral deposits within the southeastern United States. Continental Oil Company. 32 p.
- Cook, R. B., 1971, Exploration for metallic mineral deposits within crystalline rocks of the southeastern United States. Continental Oil Company, 69 p.
- Cook, R. B., 1971, Geologic scouting of the Georgia and Alabama Piedmont. Continental Oil Company, 36 p.
- Cook, R. B., 1971, Reconnaissance exploration for base metal sulfide deposits: Nemo area, South Dakota. Cyprus Mines Corporation, 20 p.
- Cook, R. B., 1971, Proposed exploration for stratiform copper-silver deposits within the Belt Series, Montana and Idaho. Lindgren Exploration Company, 8 p.
- Cook, R. B., 1971, Reconnaissance exploration for base-metal sulfide deposits: Bear Mountain area, South Dakota. Cyprus Mines Corporation, 39 p.
- Claus, R. J., and Cook, R. B., 1970, Stratiform copper deposit potentialities in the Ravalli Group, northwest Montana. International Minerals and Chemical Company. 66 p.
- Cook, R. B., 1970, Reconnaissance exploration in the Nemo and Bear Mountain areas, Black Hills, South Dakota. Cyprus Mines Corporation, 34 p.

**SERVICE TO THE PROFESSION:**

External Geology Program evaluator, State of Georgia, 2003  
Chairman, Mineralogical Society of America Annual Symposium, 2001-2004, 2006  
Member, Alabama Geologist Licensing Board, 1995 - 2001.  
Executive Editor, Rocks and Minerals, 1978-1982, 1988-present.  
Session/symposium chairman for Geological Society of America meetings, 1979, 1989, and 1998.  
Session chairman for Alabama Academy of Science, 1978.  
Field trip leader, Alabama and Georgia Geological Societies; 1975, 1981, 1984, 1987, 1996, 2007.

**CONSULTANCIES:**

Callahan Mining Corporation (tin, gold, and base metals exploration)  
Cyprus Mines Corporation (massive sulfide exploration)  
Kennecott Copper Company (gold exploration)  
Conoco Minerals (copper, zinc, and gold exploration)  
Orvana Minerals/Placer Dome (gold exploration)  
BHP, Inc. (gold and base metals exploration)  
GCO Minerals (uranium exploration; diamond exploration)  
FMC Gold Corporation (gold exploration)  
Hanson America (quarry development; quality contro; expert witness)  
Martin Marietta Aggregates (reserve estimation and environmental geology)  
Vulcan Materials (quarry resource development)  
Florida Rock Industries (quarry development)  
SRM Aggregates (quarry development and quality control)  
Oldcastle Materials (environmental geology, quarry development)  
APAC-Midsouth (environmental geology, quarry development)  
Lafarge Aggregates (quality control)  
Phears and Moldovan (concrete litigation)  
United States Department of Justice (expert Witness)  
United States Department of Defense as third party contractor (environmental assessment)  
National Aeronautics and Space Administration (environmental assessment of five facilities)  
Southwire Corporation (environmental assessment through Williams Engineering)  
Progress Rail Corporation (environmental assessment)  
Hydrological studies have been conducted for the following municipalities: Orange Beach, Selmont, Union Springs, Anniston, and Vance, Alabama

# Exhibit B

## **Materials and Data Considered**

### **Literature**

- Bain, G. W., 1934, Serpentinization, origin of certain asbestos, talc and soapstone deposits. *Economic Geology* v. 29, no. 4, 397 – 400.
- Bain, G. W., 1942, Vermont talc and asbestos deposits. In Newhouse, W. H., ed., *Ore deposits as related to structural features*. Princeton University Press, 255 – 258.
- Begg, Melissa D., ScD, March, Dana, PhD, MPH. "Cause and Association: Missing the Forest for the Trees." *AJPH Public Health of Consequence*. Vol 108, No. 5 (May 2018).
- Blount, A.M. "Amphibole Content of Cosmetic and Pharmaceutical Talcs" *Environmental Health Perspectives*, Vol. 94 (1991) pp. 225-230.
- Caddopi, Paola, Giovanni Camanni, Giani Balestro, and Gianluigi Perrone, 2016, Geology of the Fontane talc mineralization, Germanasca valley, Italian Western Alps. *Journal of Maps* V. 2, no. 5, 1170 – 1177.
- Chidester, A. H. M. P. Billings, and W. M. Cady, 1951, *Talc Investigations in Vermont-Preliminary Report*. U.S. Geological Survey Circular 95, 33 p.
- Chidester, A. H., 1968, *Evolution of the Ultramafic Complexes of Northeastern New England: Studies in Appalachian Geology*, Chapter 26, John Wiley Interscience Publishers, New York, p. 351.
- Galea, Sandro, MD, DrPH, Vaughan, Roger D., DrPH, MS. "Moving Beyond the Cause Constraint: A Public Health of Consequence, May 2018" *AJPH* Vol. 108, No. 5(2018) pp. 602-603.
- Hernan, Miguel A., MD, DrPH. "The C-Word: Scientific Euphemisms Do Not Improve Causal Inference from Observational Data" *AJPH Public Health of Consequence* Vol. 108, No. 5 (May 2018) pp. 616-619.
- Hess, H.H. "The problem of serpentinization and the Origin of Certain Chrysotile Asbestos Talc and Soapstone Deposits." (1933).
- Hopkins, Oliver B. "A Report on the Asbestos, Talc and Soapstone Deposits of Georgia." (1914).
- Jahns, R. H., 1969 *Serpentinities of the Roxbury, District, Vermont* in P. J. Wyllie (ed.) *Ultramafic and Related Rocks*, Wylie, New York, N. Y., 167 -180.
- King, V. T. and J. W. Cares, 1996, Vermont mineral locality index. *Rocks and Minerals*, V. 71, 324 – 338.
- Lockey, James E., M.D. "Nonasbestos Fibrous Minerals" *Clinics in Chest Medicine*- Vol. 2, No. 2 (May 1981).
- Longo, William E., Ph.D, Rigler, Mark W., Materials Analytical Services, LLC. - MAS Report, "The Analysis of Johnson & Johnson's Historical Baby Powder & Shower to Shower Products from the 1960's to the Early 2000's for Amphibole Asbestos" Supplemental Report (January 15, 2019).
- Longo, William E., Ph.D, Rigler, Mark W., Materials Analytical Services, LLC. - MAS Report, "The Analysis of Johnson & Johnson's Historical Baby Powder & Shower to Shower Products from the 1960's to the Early 1990's for Amphibole Asbestos" (November 14, 2018).

### **Materials and Data Considered**

- Longo, William E., Ph.D, Rigler, Mark W., Materials Analytical Services, LLC. - MAS Report, "TEM Analysis of Historical 1978 Johnson's Baby Powder Sample for Amphibole Asbestos" (February 16, 2018).
- Longo, William E., Ph.D, Rigler, Mark W., Materials Analytical Services, LLC. - MAS Report, "Analysis of Johnson & Johnson Baby Powder & Valiant Shower to Shower Talc Products for Amphibole (Tremolite) Asbestos" (August 2, 2017).
- McCarthy, Edward F., Genco, Noel A., Reade, Ernest H, Jr. "Talc" 7th ed. (2006).
- Ratte', Charles A. "Mineral Resource Provinces of Vermont" Vermont Geological Survey, DEC (February 1982).
- Roggli, Victor L, Vollmer, Robin T, Butnor, Kelly J., Sporn, Thomas A. "Tremolite and Mesothelioma" (January 17, 2002).
- Rohl, A. N., Langer, A.M., Selikoff, I. J., Tordini, A., Klimentidis. (1976) "Consumer Talcums and Powders: Mineral and Chemical Characterization." Journal of Toxicology and Environmental Health (1976) 2:255-284.
- Rohl, Arthur N. "Asbestos in Talc" Environmental Health Perspectives, Vol. 9 (1974) pp.129-132.
- Ross, Malcolm. "Geology, asbestos, and Health" Environmental Health Perspectives, Vol. 9 (December 1974) pp. 123-124.
- Ross, Malcom, Smith, William M. "Triclinic Talc and Associated Amphiboles from Gouverneur Mining District, New York" The American Minerologist, Vol. 53 (May-June 1968).
- Stemple, Irene S., Brindley, G.W. "A Structural Study of Talc and Talc-Tremolite Relations" Department of Ceramic Technology, College of Mineral Industries, The Pennsylvania State University, University Park, Pennsylvania. Vol. 43, No. 1 (January 1960).
- Schiller, Joseph E., Payne, S.L. "Surface Charge Measurements of Amphibole Cleavage Fragments" U.S. Dept. of the Interior, Bureau of Mines, (1980).
- Veblen, David R., Burnham, Charles W. "New biopyriboles from Chester, Vermont: II. The crystal chemistry of jimthompsonite, clinojimthompsonite, and chesterite, and the amphibole-mica reaction" American Minerologist, Vol. 63 (1978) pages 1053-1073.
- Virta, Robert L. "The Phase Relationship of Talc and Amphiboles in a Fibrous Talc Sample" Bureau of Mines Report of Investigations (1985).
- IARC (1973) Monograph 2, Some Inorganic and Organometallic Compounds.
- IARC (1987) Monograph 42.
- IARC (1987) Supplement 7.
- IARC (1996) Mechanisms of Mineral Fibre Carcinogenesis by Kane.
- IARC (2006).
- IARC (2010) without asbestiform fibers Vol 93.
- IARC (2012) Monographs on the Evaluation of Carcinogenic Risks to Humans Vol 100C.
- IARC (1987) IARC Monographs on the Evaluation of Carcinogenic Risks to Humans- Overall

### **Materials and Data Considered**

- Evaluations of Carcinogenicity: An Updating of IARC Monographs Volumes 1 to 42, Supplement 7. P. 357.
- IARC (1987) IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans- Silica and some Silicates, V. 42, p. 250.
- IARC (2010) IARC Monographs on the Evaluation of Carcinogenic Risks to Humans, Volume 93- Carbon Black, Titanium Dioxide, and Talc. P. 39.
- Van Gosen, Bradley S., Lowers, Heather A., Sutley, Stephen J., Gent, Carol A. "Using the Geologic Setting of Talc Deposits as an Indicator of Amphibole Asbestos Content" U.S. Geological Survey (2004) 45:920-939.
- Harper, Martin, Lee, Eun Gyung, Doorn, Stacy S., Hammond, Okisha. "Differentiating Non-Asbestiform Amphibole and Amphibole Asbestos by Size Characteristics" Journal of Occupational and Environmental Hygiene; (29 Oct 2008).
- Castillo, Luciana A. "Particulate Science and Technology: An International Journal." Integrated Process for Purification of Low Grade Talc Ores, Particulate Science and Technology: An International Journal (2013).
- Ahmed, Mahmoud M., et al. "Beneficiation of Talc Ore." Earth and Environmental Sciences (2011).

### **Depositions**

- Deposition and Exhibits of Alice M. Blount (Ingham) (April 13, 2018)
- Deposition and Exhibits of Donald Hicks & Exhibits (June 28-29, 2018)
- Deposition and Exhibits of John Hopkins & Exhibits (August 16-17, October 17, November 5, 2018)
- Deposition and Exhibits of Julie Pier & Exhibits (September 12-13, 2018)
- Deposition and Exhibits of Patrick Downey (August 7-8, 2018)
- Deposition and Exhibits of Joanne Waldstreicher (Ingham) (April 19, 2017)
- Deposition of Dr. William Glassley (June 17, 2014)

### **Documents**

IMA-NA0000546  
IMERYS 033690  
IMERYS 035890  
IMERYS 037003  
IMERYS 041526  
IMERYS 045184  
IMERYS 048750  
IMERYS 051436  
IMERYS 054579  
IMERYS 060629  
IMERYS 077676  
IMERYS 084011  
IMERYS 117597  
IMERYS 125256  
IMERYS 125579  
IMERYS 125627  
IMERYS 130504  
IMERYS 145116  
IMERYS 151337  
IMERYS 196407  
IMERYS 198743



### **Materials and Data Considered**

IMERYS 209012  
IMERYS 210268  
IMERYS 210465  
IMERYS 210700  
IMERYS 210701  
IMERYS 210724  
IMERYS 210758  
IMERYS 210788-210799  
IMERYS 210794  
IMERYS 210801- 210803  
IMERYS 210810-210812  
IMERYS 210824  
IMERYS 213442  
IMERYS 219720  
IMERYS 238132  
IMERYS 244543  
IMERYS 253265  
IMERYS 268192  
IMERYS 286445  
IMERYS 288683  
IMERYS 299320  
IMERYS 303546  
IMERYS 304056  
IMERYS 309326  
IMERYS 310208  
IMERYS 320629  
IMERYS 336098  
IMERYS 340454  
IMERYS 340798  
IMERYS 348979  
IMERYS 352512  
IMERYS 413792  
IMERYS 415991  
IMERYS 416973  
IMERYS 422289  
IMERYS 425354  
IMERYS 426984  
IMERYS 430707  
IMERYS 436652  
IMERYS 436951  
IMERYS 441340  
IMERYS 442232  
IMERYS 445999  
IMERYS 469483  
IMERYS 477879  
IMERYS 499486  
IMERYS 499538  
IMERYS 500675  
IMERYS 500676  
IMERYS 500677  
IMERYS 500679

**Materials and Data Considered**

IMERYS 500690  
IMERYS 500692  
IMERYS 500694  
IMERYS 500695  
IMERYS 500696  
IMERYS 500697  
IMERYS 500698  
IMERYS 500703  
IMERYS 500704  
IMERYS 500705  
IMERYS 500706  
IMERYS 500707  
IMERYS 500708  
IMERYS 500709  
IMERYS 500710  
IMERYS 500713  
IMERYS 500715  
IMERYS 500720  
IMERYS 500721  
IMERYS 500722  
IMERYS 500723  
IMERYS 500728  
IMERYS 500736  
IMERYS 500737  
IMERYS 500739  
IMERYS 500743  
IMERYS 500744  
IMERYS 500756  
IMERYS 500760  
IMERYS 500761  
IMERYS 500801  
IMERYS 532947  
IMERYS 533326  
IMERYS 533358  
IMERYS 533694  
IMERYS 533697  
IMERYS 533742  
IMERYS 533753  
IMERYS 533766  
IMERYS 533773  
IMERYS Hole 2002-15 and 2002-21  
IMERYS012795  
IMERYS026529  
IMERYS027063  
IMERYS027596  
IMERYS027721  
IMERYS030231  
IMERYS030252  
IMERYS030347  
IMERYS031712  
IMERYS033263

**Materials and Data Considered**

IMERYS033482  
IMERYS033719  
IMERYS036134  
IMERYS036155  
IMERYS036861  
IMERYS036949  
IMERYS036976  
IMERYS036999  
IMERYS037018  
IMERYS040903  
IMERYS041522  
IMERYS042045  
IMERYS042461  
IMERYS042993  
IMERYS043375  
IMERYS045182  
IMERYS045198  
IMERYS048049  
IMERYS048393  
IMERYS048647  
IMERYS050500  
IMERYS050502  
IMERYS050535  
IMERYS050955  
IMERYS051117  
IMERYS051370  
IMERYS051442  
IMERYS053275  
IMERYS053346  
IMERYS053387  
IMERYS053402  
IMERYS056628  
IMERYS058042  
IMERYS058076  
IMERYS058214  
IMERYS058955  
IMERYS060623  
IMERYS061148  
IMERYS061599  
IMERYS061600  
IMERYS061692  
IMERYS064423  
IMERYS066091  
IMERYS069210  
IMERYS072407  
IMERYS073845  
IMERYS073874  
IMERYS073981  
IMERYS074065  
IMERYS074186  
IMERYS074190

**Materials and Data Considered**

IMERYS074242  
IMERYS074740  
IMERYS074832  
IMERYS075120  
IMERYS075685  
IMERYS075751  
IMERYS076456  
IMERYS076760  
IMERYS078420  
IMERYS078545  
IMERYS078684  
IMERYS078694  
IMERYS078780  
IMERYS081025  
IMERYS081205  
IMERYS083403  
IMERYS083490  
IMERYS084135  
IMERYS085298  
IMERYS085457  
IMERYS085467  
IMERYS086005  
IMERYS086142  
IMERYS086188  
IMERYS086935  
IMERYS087250  
IMERYS090928  
IMERYS093132  
IMERYS093719  
IMERYS097904  
IMERYS098115  
IMERYS099648  
IMERYS102508  
IMERYS102511  
IMERYS102513  
IMERYS102515  
IMERYS102522  
IMERYS104615  
IMERYS104628  
IMERYS104636  
IMERYS104660  
IMERYS104669  
IMERYS105215  
IMERYS110169  
IMERYS110317  
IMERYS110340  
IMERYS112022  
IMERYS113340  
IMERYS113402  
IMERYS113548  
IMERYS113587

**Materials and Data Considered**

IMERYS114712  
IMERYS114718  
IMERYS114771  
IMERYS117803  
IMERYS124028  
IMERYS124453  
IMERYS128710  
IMERYS129838  
IMERYS132770  
IMERYS132819  
IMERYS132823  
IMERYS132888  
IMERYS133208  
IMERYS134026  
IMERYS136824  
IMERYS136979  
IMERYS139093  
IMERYS139211  
IMERYS139354  
IMERYS140438  
IMERYS140630  
IMERYS143096  
IMERYS145198  
IMERYS145558  
IMERYS147008  
IMERYS147492  
IMERYS156267  
IMERYS156318  
IMERYS164936  
IMERYS166741  
IMERYS172540  
IMERYS172608  
IMERYS179095  
IMERYS179106  
IMERYS179108  
IMERYS186641  
IMERYS189001  
IMERYS194430  
IMERYS197435  
IMERYS198441  
IMERYS198447  
IMERYS198884  
IMERYS199128  
IMERYS199511  
IMERYS199742  
IMERYS199801  
IMERYS200084  
IMERYS200346  
IMERYS203736  
IMERYS203737  
IMERYS203856

**Materials and Data Considered**

IMERYS204969  
IMERYS205158  
IMERYS205519  
IMERYS205540  
IMERYS205609  
IMERYS205652  
IMERYS205653  
IMERYS205903  
IMERYS206004  
IMERYS208773  
IMERYS209320  
IMERYS210707  
IMERYS210810  
IMERYS211157  
IMERYS213431  
IMERYS213443  
IMERYS214656  
IMERYS214720  
IMERYS219721  
IMERYS225177  
IMERYS225184  
IMERYS225288  
IMERYS225295  
IMERYS225922  
IMERYS225931  
IMERYS230664  
IMERYS231107  
IMERYS231309  
IMERYS235642  
IMERYS235741  
IMERYS235927  
IMERYS237144  
IMERYS237173  
IMERYS238270  
IMERYS238445  
IMERYS238457  
IMERYS238468  
IMERYS238478  
IMERYS238850  
IMERYS239749  
IMERYS240406  
IMERYS241968  
IMERYS244677  
IMERYS244919  
IMERYS244973  
IMERYS246005  
IMERYS246065  
IMERYS247781  
IMERYS249655  
IMERYS253608  
IMERYS256377

**Materials and Data Considered**

IMERYS256482  
IMERYS261810  
IMERYS262806  
IMERYS270465  
IMERYS270594  
IMERYS271340  
IMERYS271933  
IMERYS274983  
IMERYS282480  
IMERYS283711  
IMERYS286003  
IMERYS286320  
IMERYS288434  
IMERYS288673  
IMERYS290589  
IMERYS295222  
IMERYS295664  
IMERYS298767  
IMERYS299296  
IMERYS299311  
IMERYS299322  
IMERYS299330  
IMERYS304036  
IMERYS304087  
IMERYS308384  
IMERYS309892  
IMERYS328147  
IMERYS335759  
IMERYS335761  
IMERYS336030  
IMERYS336420  
IMERYS336444  
IMERYS337569  
IMERYS340050  
IMERYS340118  
IMERYS342524  
IMERYS353633  
IMERYS403794  
IMERYS406170  
IMERYS416192  
IMERYS416471  
IMERYS418142  
IMERYS418940  
IMERYS419451  
IMERYS422182  
IMERYS422289  
IMERYS426677  
IMERYS426751  
IMERYS427172  
IMERYS427235  
IMERYS427291



**Materials and Data Considered**

IMERYS427326  
IMERYS427419  
IMERYS427423  
IMERYS427428  
IMERYS428014  
IMERYS428781  
IMERYS435988  
IMERYS435992  
IMERYS435996  
IMERYS436000  
IMERYS436951  
IMERYS436972  
IMERYS441340  
IMERYS446869  
IMERYS449684  
IMERYS460527  
IMERYS460646  
IMERYS467736  
IMERYS469478  
IMERYS492711  
IMERYS498844  
IMERYS498970  
IMERYS498998  
IMERYS499264  
IMERYS500456  
IMERYS500680  
IMERYS501883  
IMERYS501902  
IMERYS501956  
IMERYS501984  
IMERYS502024  
IMERYS-A\_0002017  
IMERYS-A\_0010248  
IMERYS-A\_0013279  
IMERYS-A\_0015174  
IMERYS-A\_0015192  
IMERYS-A\_0015294  
IMERYS-A\_0015305  
IMERYS-A\_0015376  
IMERYS-A\_0015621  
IMERYS-A\_0015663  
IMERYS-A\_0015697  
IMERYS-A\_0015703  
IMERYS-A\_0015753  
IMERYS-A\_0015755  
IMERYS-A\_0015758  
IMERYS-A\_0019350  
IMERYS-A\_0024360  
IMERYS-A\_0025168  
IMERYS-A\_0025724  
IMERYS-A\_0026446

### Materials and Data Considered

IMERYS-A\_0026465  
IMERYS-MDL-AB\_0005560  
IMERYS-MDL-AB\_0007973  
IMERYS-MDL-AB\_0008049  
IMERYS-MDL-AB\_0008412  
IMERYS-MDL-AB\_0009721  
IMERYS-MDL-AB\_0010356  
J&J 0037133  
J&J 0053200  
J&J-0007797  
J&J-0007801  
J&J-0084692  
J&J-175  
J&J185  
J&J-331  
J&J-376  
JNJ\_00030983  
JNJ 000000636  
JNJ 000016791  
JNJ 000087991  
JNJ 000089413  
JNJ 000133309  
JNJ 000245517  
JNJ 000252742  
JNJ 000288481  
JNJ 000299336  
JNJ 000348020  
JNJ 000378044  
JNJ 000378046  
JNJ 000389288  
JNJ 000521616  
JNJ 000525310  
JNJ 000629320  
JNJ000020759  
JNJ000021008  
JNJ000030027  
JNJ000059269  
JNJ000059273  
JNJ000059401  
JNJ000060592  
JNJ000060951  
JNJ000061570  
JNJ000062176  
JNJ000062206  
JNJ000062221  
JNJ000062458  
JNJ000063601  
JNJ000063608  
JNJ000063611  
JNJ000063951  
JNJ000064012

**Materials and Data Considered**

JNJ000064200  
JNJ000064202  
JNJ000064456  
JNJ000065385  
JNJ000065666  
JNJ000066381  
JNJ000084895  
JNJ000085374  
JNJ000085796  
JNJ000086280  
JNJ000087412  
JNJ000087865  
JNJ000087928  
JNJ000087989  
JNJ000087991  
JNJ000088570  
JNJ000088746  
JNJ000089153  
JNJ000090013  
JNJ000092154  
JNJ000092227  
JNJ000131754  
JNJ000131758  
JNJ000131761  
JNJ000132171  
JNJ000132178  
JNJ000132563  
JNJ000132694  
JNJ000132997  
JNJ000133223  
JNJ000133288  
JNJ000133309  
JNJ000133354  
JNJ000133506  
JNJ000133623  
JNJ000133628  
JNJ000133644  
JNJ000133653  
JNJ000133929  
JNJ000134031  
JNJ000134159  
JNJ000134171  
JNJ000135328  
JNJ000222851  
JNJ000223449  
JNJ000223508  
JNJ000223509  
JNJ000229914  
JNJ000231251  
JNJ000232582  
JNJ000232897

### **Materials and Data Considered**

JNJ000233714  
JNJ000234805  
JNJ000234883  
JNJ000237076  
JNJ000237114  
JNJ000237120  
JNJ000237136  
JNJ000237254  
JNJ000237379  
JNJ000237881  
JNJ000238011  
JNJ000238022  
JNJ000238023  
JNJ000238065  
JNJ000238194  
JNJ000238201  
JNJ000238329  
JNJ000238826  
JNJ000239387  
JNJ000239718  
JNJ000239723  
JNJ000239730  
JNJ000240219  
JNJ000241387  
JNJ000242691  
JNJ000244833  
JNJ000245002  
JNJ000245513  
JNJ000245577  
JNJ000246437  
JNJ000246467  
JNJ000246709  
JNJ000246844  
JNJ000247086  
JNJ000247326  
JNJ000247330  
JNJ000247361  
JNJ000247362  
JNJ000247376  
JNJ000247377  
JNJ000247384  
JNJ000247477  
JNJ000247481  
JNJ000248023  
JNJ000248584  
JNJ000248628  
JNJ000248837  
JNJ000248841  
JNJ000251888  
JNJ000252225  
JNJ000252228

**Materials and Data Considered**

JNJ000252237  
JNJ000254103  
JNJ000254152  
JNJ000257380  
JNJ000257836  
JNJ000258035  
JNJ000258099  
JNJ000259645  
JNJ000260807  
JNJ000261006  
JNJ000261628  
JNJ000261640  
JNJ000261824  
JNJ000264457  
JNJ000265166  
JNJ000265167  
JNJ000266288  
JNJ000266290  
JNJ000266305  
JNJ000266362  
JNJ000266813  
JNJ000268037  
JNJ000268067  
JNJ000269848  
JNJ000269890  
JNJ000269904  
JNJ000269931  
JNJ000270070  
JNJ000270588  
JNJ000270659  
JNJ000271031  
JNJ000271088  
JNJ000272087  
JNJ000272469  
JNJ000273150  
JNJ000274374  
JNJ000274575  
JNJ000274621  
JNJ000280280  
JNJ000281919  
JNJ000281921  
JNJ000285082  
JNJ000285277  
JNJ000285351  
JNJ000286905  
JNJ000288481  
JNJ000288595  
JNJ000291914  
JNJ000291916  
JNJ000294461  
JNJ000294462

**Materials and Data Considered**

JNJ000297402  
JNJ000297576  
JNJ000297578  
JNJ000299336  
JNJ000299735  
JNJ000301762  
JNJ000304364  
JNJ000306623  
JNJ000307413  
JNJ000308280  
JNJ000312667  
JNJ000312688  
JNJ000314315  
JNJ000314406  
JNJ000314563  
JNJ000314624  
JNJ000314629  
JNJ000314680  
JNJ000314718  
JNJ000314722  
JNJ000317321  
JNJ000317601  
JNJ000317647  
JNJ000317664  
JNJ000317681  
JNJ000317718  
JNJ000319689  
JNJ000319691  
JNJ000319696  
JNJ000319703  
JNJ000319714  
JNJ000319745  
JNJ000319754  
JNJ000319761  
JNJ000319762  
JNJ000320138  
JNJ000321606  
JNJ000322179  
JNJ000322188  
JNJ000322351  
JNJ000322567  
JNJ000323220  
JNJ000323221  
JNJ000323238  
JNJ000323277  
JNJ000323316  
JNJ000323770  
JNJ000323780  
JNJ000324430  
JNJ000324729  
JNJ000325709

**Materials and Data Considered**

JNJ000325738  
JNJ000326744  
JNJ000327588  
JNJ000327668  
JNJ000327783  
JNJ000328143  
JNJ000328315  
JNJ000329743  
JNJ000329969  
JNJ000330045  
JNJ000330448  
JNJ000330506  
JNJ000332679  
JNJ000332871  
JNJ000332873  
JNJ000332936  
JNJ000333378  
JNJ000334305  
JNJ000334610  
JNJ000335665  
JNJ000336164  
JNJ000336203  
JNJ000336248  
JNJ000336297  
JNJ000345129  
JNJ000346572  
JNJ000346747  
JNJ000346836  
JNJ000346889  
JNJ000347962  
JNJ000356020  
JNJ000356069  
JNJ000356347  
JNJ000356531  
JNJ000356605  
JNJ000356662  
JNJ000356669  
JNJ000357296  
JNJ000357355  
JNJ000368847  
JNJ000368849  
JNJ000370270  
JNJ000373757  
JNJ000375383  
JNJ000377123  
JNJ000382894  
JNJ000382895  
JNJ000384283  
JNJ000414760  
JNJ000415546  
JNJ000421562



**Materials and Data Considered**

JNJ000421583  
JNJ000421595  
JNJ000421597  
JNJ000422794  
JNJ000442991  
JNJ000448384  
JNJ000488188  
JNJ000488202  
JNJ000488303  
JNJ000520877  
JNJ000520884  
JNJ000521599  
JNJ000521602  
JNJ000521656  
JNJ000524006  
JNJ000545870  
JNJ000545911  
JNJ000566670  
JNJ000566687  
JNJ000567574  
JNJ000576631  
JNJ000576700  
JNJ000627844  
JNJ000631362  
JNJ000682137  
JNJ000868844  
JNJ000886067  
JNJ-256  
JNJ346006  
JNJ-567  
JNJAZ55\_000000049  
JNJAZ55\_000000577  
JNJAZ55\_000000597  
JNJAZ55\_000000905  
JNJAZ55\_000001073  
JNJAZ55\_000001114  
JNJAZ55\_000004156  
JNJAZ55\_000004563  
JNJAZ55\_000004644  
JNJAZ55\_000005743  
JNJAZ55\_000006088  
JNJAZ55\_000006103  
JNJAZ55\_000008177  
JNJAZ55\_000008893  
JNJAZ55\_000020377  
JNJAZ55\_00004644  
JNJH29W\_000003708  
JNJI4T5\_000005163  
JNJMX68\_000002666  
JNJMX68\_000000439  
JNJMX68\_000000860

### Materials and Data Considered

JNJMX68\_000004296  
JNJMX68\_000008964  
JNJMX68\_000013019  
JNJMX68\_000015818  
JNJMX68\_000021632  
JNJMX68\_000022920  
JNJNL61\_000001325  
JNJNL61\_000001341  
JNJNL61\_000001534  
JNJNL61\_00000266  
JNJNL61\_000005343  
JNJNL61\_000005495  
JNJNL61\_000006591  
JNJNL61\_000006792  
JNJNL61\_000008179  
JNJNL61\_000023234  
JNJNL61\_000024449  
JNJNL61\_000024650  
JNJNL61\_000024657  
JNJNL61\_000025152  
JNJNL61\_000027053  
JNJNL61\_000030041  
JNJNL61\_000032036  
JNJNL61\_000033574  
JNJNL61\_000040532  
JNJNL61\_000043243  
JNJNL61\_000043244  
JNJNL61\_000043245  
JNJNL61\_000043246  
JNJNL61\_000043271  
JNJNL61\_000043272  
JNJNL61\_000052427  
JNJNL61\_000062982  
JNJNL61\_000064161  
JNJNL61\_000064162  
JNJNL61\_000079334  
JNJNL61\_6431-6432  
JNJS71R\_000000139  
JNJS71R\_000001978  
JNJS71R\_000002199  
JNJS71R\_000007083  
JNJS71R\_000009825  
JNJS71R\_000011316  
JNJTALC000062193  
JNJTALC000068906  
JNJTALC000094741  
JNJTALC000099148  
JNJTALC000186169  
JNJTALC000186602  
JNJTALC000186738  
JNJTALC000225279

### Materials and Data Considered

JNJTALC000289190  
JNJTALC000298746  
JNJTALC000323044  
JNJTALC000391470  
JNJTALC000425140  
JOJO-MA2330-0001  
JOJO-MA2546-00158  
JOJO-MA2546-00163  
JOJO-MA90013  
JOJO-MA90013-0005  
LUZ 015663  
LUZ015663  
MRDS\_Talc\_LabAnalysesTroy  
MRDS\_Talc\_LabAnalysesTroy2  
NIOSH-MA04800  
P-0557 Elkies Plaintiff Exhibit 4  
P-0558 Elkies Plaintiff Exhibit 5  
PCPC0071076  
RJLEE-000537  
RJLEE-000934  
RJLEE-001032  
RJLEE-001235  
RJLEE-001497  
RJLEE-002288  
Talc\_USP Revised Bulletin\_Aug. 2011  
Vanderbilt\_RJ Lee\_2013 Feb 7  
VT resources map 1982  
WTALC00002788  
JNJNL61\_000006591  
000465 Hammondsville 10.12.1970  
000526 not aware of quality Windsor 1971  
000842 proposal to synthesize talc 1971  
000994 Asbestos in 1970 samples of Italian and VT talc 1971  
001779 Concentration techniques 1973  
002042 Limits to Asbestos Detection 1983  
002105 Proposed Talc Detection 1973  
002162 Magnetic Separation No Budget 1973-5  
002485 density gradient separation asbestos spending 1973  
01\_Memo-Purchase and Supply Agreements  
01\_Memo - Core Logs and Findings and Maps  
1972 Dement study re exposure baby powder  
1973.12.10 CFTA Proposed FDA Report-Round Robin  
1974.8.21 FDA ltr to hamer RE fiber counts  
2001.06.01 email to fda zezenski to Dennis xrd pcm plm not sensitive enough  
2011.07 Development of a New ASTM Method for Analysis of Cosmetic and  
BiblioVt Geology2014  
Chrysotile in Shower to Shower  
CPC-BCALTRSCPT00000986  
CPC-NYCALTRSCPT00006913  
HHS00000001  
History of Argonaut Mine 1973-1994

### **Materials and Data Considered**

USEPA Table (2014)

NTP Report on Carcinogens, Fourteenth Edition (Asbestos)

NIOSH (2012) Carcinogen List

Expert Report of Mark Krekeler Dated November 16, 2018

Correspondence and Assignment Sheets (Reid report April 2, 1973)